

## TECHNICAL DATA SHEET

### KEMIKALIE RESISTENSLISTE

Et plastmateriales bestandighed over for kontakt med kemikalier er stærkt afhængig af det enkelte materiales opbygning og struktur, ligesom temperatur og tiden spiller en afgørende rolle.

Man bør være opmærksom på at selv om et materiale er bestandigt overfor et bestemt kemikalium, kan materialet svigte, hvis det samtidigt er udsat for en mekanisk belastning, så som tryk, slid eller slag.

Følgende liste over 6 forskellige polymerers resistens overfor en række kemikalier er resultater af afprøvninger udført af råvare leverandøren i henhold til standard procedurer. Tabellen er en guide og resultaterne skal betragtes som gennemsnitsværdier uden garanti fra vor side.

#### PA 11 / PA 12:

PA 11 har god bestandig overfor:

- brændstoffer (hydrocarbon baseret), smøremidler (olier og fedt), baser, salt vand, maritim atmosfære, salt opløsninger og en lang række opløsningsmidler som alkohol, ketoner, ester og ether

PA 11 er ikke bestandig over for:

- mange syrer, stærke baser og oxidationsmidler
- klorbaserede produkter

Bestandigheden over for mange organiske syrer, mineralske salte, stærke baser og oxidationsmidler begrænset og direkte afhængig af den kemiske komposition, temperatur og koncentration. Agtpågivenhed bør udvises, når kemikalier som ikke alene angriber polyamid 11 og 12, blandes.

Fenoler, myresyrer og nogle fluor alkoholer kan have en opløsningsseffekt på polyamid.

#### PVDF:

PVDF er bestandig over for:

- de fleste mineralske og organiske syrer, oxiderende miljøer, kulbrinter, alkoholer og halogen opløsningsmidler.
- PVDF er ikke bestandig over for:
- fluor, varm svovlsyre, varme konc. alkalier og opløsningsmidler som acetone ethylacetat, hvor PVDF kvælder op.

#### PP:

PP er bestandig over for:

- de fleste vandige opløsninger af salte, syrer og baser samt alkohol og enkelte olier

PP er ikke bestandig over for:

- oxiderende kemikalier (salpetersyre, olium og halogener) samt kulbrinter som forårsager kvældning
- de fleste kemikalier ved temperaturer > 60 °C.

#### HDPE / LDPE:

HDPE er bestandig over for:

- de fleste vandige opløsninger af salte, syrer og baser.
- HDPE er ikke bestandig over for:
- stærkt oxiderende kemikalier (salpetersyre, olium og halogener)
- de fleste kemikalier ved temperaturer > 60 °C.

#### Symbol forklaring:

- N = Ikke resistent
- L = Begrænset resistent
- \* = Kvælning
- \*\* = Misfarvning

### CHEMICAL RESISTANCE CHART

*The chemical resistance of a plastic material strongly depends on the composition and structure of the material, the ambient temperature and exposure time.*

*One has to be aware that even though a material is resistant to a certain chemical, the material might fail, if it is exposed simultaneously to mechanical strain such as pressure, abrasion or impacts.*

*The following chemical resistance chart for 6 different polymers versus a wide range of chemical compositions is a result of tests carried out by the raw material supplier according to standard procedures. The chart is meant only as a guide and has to be regarded as average values and do not constitute a warranty of any kind from our side.*

#### PA 11 / PA 12:

*PA 11 / PA 12 shows good resistance to:*

- bases, salt solutions, salt water, marine atmospheres, oils, greases and petroleum products

*PA 11 / PA 12 is not resistant to:*

- many acids, strong bases and oxidizing agents
- chlorine based products

*Resistance to mineral salts, organic acids and strong oxidizing agents varies with the chemical group involved, concentration and temperature. The same applies to mixtures of chemicals which alone do not attack polyamide 11 and 12, but when mixed together can produce synergistic reactions.*

*Phenols and formic acid are powerful solvents and are used for certain application techniques. Some fluoroalcohols also have solvating characteristics.*

#### PVDF:

*PVDF is resistant to:*

- most mineral oils and organic acids, oxidising environments, hydrocarbons, alcohol and halogenous solutions.

*PVDF is not resistant to:*

- flour, warm sulphuric acid, warm concentrated alkali and solutions like acetone ethyl acetate, in which PVDF will swell.

#### PP:

*PP is resistant to:*

- most aqueous solutions of salts, acids and bases plus alcohol and some oils

*PP is not resistant to:*

- oxidizing chemicals (nitric acid, oleum and halogens) also hydrocarbons which causes swelling
- most chemicals at temperatures > 60°C.

#### HDPE / LDPE :

*HDPE is resistant to:*

- most aqueous solutions of salts, acids and bases

*HDPE is not resistant to:*

- highly oxidizing chemicals (nitric acid, oleum and halogens)
- most chemicals at temperatures > 60°C.

#### Explanation of symbols:

- N = Not resistant
- L = Limited
- \* = Swelling
- \*\* = Discoloration

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
<b>A</b>								
Acetaldehyde	Acetaldehyd		60/L	N	N		60/L	20
Acetamide				25	N		60	20
Acetic acid	Eddikesyre	5% in water	50					
Acetic acid	Eddikesyre	10% in water	40	105	95	60		
Acetic acid	Eddikesyre	50% in water	20/L	95	95	60	60	60
Acetic acid	Eddikesyre	80% in water		65	50			
Acetic acid	Eddikesyre	Pure		50	50	60/L	60/L**	60/L**
Acetic anhydride	Eddikesyreanhydri		20/L	N	N	20	60/L**	20
Acetone	Acetone	Pure	40	N	N	60	60	20/L
Acetone	Acetone	10% in water		50	40			
Acetonitrile				50	N			
Acetophenone				N	N		20	20/L
Acetyl bromide				50	50			
Acetyl chloride				50	50			
Acetylacetone				N	N			
Acetylene	Acetylen		60	120	65		20	
Acrylonitrile				25	25	20	60	60/L
Adipic acid				65	65		60	60
Adipic ester							60/L	
Air	Luft			140	110		60	60
Alcoholic spirits		40% Ethyl Alcohol		95	95			
Allyl acetate							60/L	60/L
Allyl alcohol				50	50	60	60	L
Allyl chloride				100	100		20/L	N
Alum	Alun	Aqueous sol.	90			60	60	60
Aluminum acetate		Aqueous sol. or		140	110			
Aluminum bromide				140	110			
Aluminum chloride		up to 40% in water		140	110		60	60
Aluminum fluoride		Aqueous sol. or		135	110		60	60
Aluminum hydroxide				135	110			
Aluminum nitrate		Aqueous sol. or		135	110			
Aluminum oxychloride				135	110			
Aluminium salt						100		
Aluminium sulphate	Aluminiumsulfat	Aqueous sol. or	90	135	110		60	60
Amino acids							60	60
Ammonia, gas	Ammoniak, gas			N	N	60	60	20
Ammonia, liquid	Ammoniak, væske	Concentrated	90/L	N	N	20	20	20
Ammonium acetate		Aqueous sol. or	60	80	65	100	60	60
Ammonium alum		Aqueous sol. or		135	110			
Ammonium bifluoride		Aqueous sol. or		65	65			
Ammonium Bromide		Aqueous sol. or		120	110			
Ammonium carbonate		Aqueous sol. or	60	135	110	100	60	60
Ammonium chloride		Aqueous sol. or	90	135	110	100	60	60
Ammonium dichromate		Aqueous sol. or		120	110			
Ammonium fluoride		Aqueous sol. or		135	110		60	60
Ammonium hydroxide	Ammoniak	Up to		105	95			
Ammonium metaphosphate		Aqueous sol. or		135	110		60	60
Ammonium nitrate	Ammoniumnitrat	Aqueous sol. or	90	135	110	100	60	60
Ammonium persulfate		Aqueous sol. or		25	25			
Ammonium phosphate		Aqueous sol. or	60	135	110	100	60	60
Ammonium sulphate	Ammoniumsulfat	Aqueous sol. or	60/L	135	110	100	60	60
Ammonium sulfide		Aqueous sol. or		50	50		60	60
Ammonium thiocyanate		Aqueous sol. or		135	110		60	60
Amyl acetate	Amylacetat		60	50	40	20/L	60	60/L
Amyl alcohol			40/L	135	110	60	60	60/L
Sec-Amyl alcohol				50	50			
Amyl chloride				140	110		20/L	N
Amyl phtalate							60/L	20/L
Amylic grease			90					
Aniline	Anilin		20/L	40	40	60	60	60/L
Aniline hydrochloride		Aqueous sol. or		25	25		60	60
Animal grease	Dyrefedt		90					
Animal oils							60/L	60/L
Anisole						20/L	20	20/L

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11	PVDF	PVDF	PP	HDPE	LDPE
			PA 12	HA	FX	°C	°C	°C
Anethole			20					
Antifreeze + water		2V-7V	40			100	60	60
Antimony pentachloride		Solid	N				60	60
Aqua regia			N	25	25		N	N
Aqueous hydroquinone			20					
Aqueous aluminium salt		Any	60/L					
Apple juice						60		
Apple purée						100		
Aromatic crude			60					
Arsenic acid		Aqueous sol.		135	110		60	60
Asphalt			20	120	110	60/L	60/L**	60/L**
<b>B</b>								
Barium carbonate				140	110			
Barium chloride	Bariumklorid	Aqueous sol. or	90	140	110			
Barium hydroxide				135	110		60	60
Barium nitrate		Aqueous sol. or		135	110			
Barium salts		Any	60			100	60	60
Barium sulfate				140	110			
Barium sulfide				135	110			
Battery acid	Batterisyre					60	60	60
Beer	Øl			100	100	20	60	60
Beeswax						60/L	60/L	20
Beet sugar liquors				105	110			
Benzaldehyde	Benzaldehyd		40/L	20	N	20	60/L	20/L
Benzene	Benzen		60/L	75	75	20/L	20/L	20/L
Benene + petrol		50 / 50	80/L					
Benzenesulfonic acid		Aqueous sol. or		50	50		60	60
Benzoic acid			20	110	105	60	60	60
Benzol			60/L					
Benzoyl chloride				75	75		20/L	N
Benzoyl peroxide				75	75			
Benzyl alcohol	Benzylalkohol		20/L	120	110	60/L	60	60/L
Benzyl chloride				140	110		20/L	N
Benzyl ether				40	25			
Benzylamine		Aqueous sol. or		25	N			
Bichromate - sulphuric acid							N	N
Bismuth salts							60	60
Bitter almond oil						20		
Bitumen							60/L**	60/L**
Black liquor				80	80			
Bleaching liquid	Blegeopløsning			135	110	60/L	20/L	20/L
Bone oil						60	60	60
Borax				135	110	60	60	60
Boracic acid		Sat. solution (4,9%)	60					
Boric acid				135	110	60	60	60
Boron trifluoride				25	25		60/L	60/L
Brake fluid						60	60	60/L
Brine				140	110			
Brine, acid				140	110			
Brine, basic				130	110			
Brine, chlorinated acid				95	95			
Bromic Acid		Aqueous sol.		95	95		N	N
Bromine dry gas			L	65	50	L	N	N
Bromine liquid	Nom		L	65	50	N	N	N
Bromine, water	Nom		L	100	95	N	20	20
Bromobenzene				65	65			
Bromoform				65	65			
m-Bromotoluene				80	65			
Butadiene				120	110			
Butane	Butan		60	120	110	60	20	
Butanediol		Aqueous sol. or	20	135	110	60	60	60
Butanol							60	60/L
Butanone			60/L				60/L	20
Butter						60	20	20
Butyl acetate	Butylacetat		60	25	N	20/L	60/L	60/L
Butyl acrylate				50	40		60/L	60/L

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Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Butyl alcohol	Butylalkohol	Aqueous sol. or	40/L	110	105		60	60/L
sec-Butyl alcohol		Aqueous sol. or		95	95			
t-Butyl alcohol		Aqueous sol. or		95	95			
Butyl bromide				140	110			
Butyl chloride				140	110			
Butylcellosolve		12% in water	20					
Butyl Ether				40	N			
Butyl glycol						20	20	20
Butyl mercaptan				140	110			
Butyl phenol				105	110		60	20/L
Butyl phenone							N	N
Butyl phthalate							60/L	20/L
Butyl stearate				40	40			
Butylamine		Aqueous sol. or		N	N			
sec-Butylamine		Aqueous sol. or		20	N			
t-Butylamine		Aqueous sol. or		20	N			
1-Butylene				140	110			
Butyraldehyde				65	50			
Butyric acid				110	110		60/L	60/L
<b>C</b>								
Calcium acetate		Aqueous sol. or		140	110			
Calcium bisulfate		Aqueous sol. or		140	110			
Calcium bisulfite		Aqueous sol. or		95	95			
Calcium bromide		Aqueous sol. or		140	110			
Calcium carbonate				140	110	100	60	60
Calcium chlorate		Aqueous sol. or		140	110		60	60
Calcium chloride	Kalciumklorid	Aqueous sol. or	90	140	110	100	60	60
Calcium hydroxide				135	110		60	60
Calcium hypochlorite		Aqueous sol. or		95	95	60	60	60
Calcium nitrate		Aqueous sol. or	60	135	110	60	60	60
Calcium oxide				120	110		60	60
Calcium phosphate				140	110		60	60
Calcium sulfite			N					
Calcium sulphate	Kalciumsulfat			140	110		60	60
Camphor							20/L	20/L
Cane sugar liquors				140	110		60	60
Caprylic acid				80	80			
Carbon dioxide				140	110		60	
Carbone bisulfide			40/* + *					
Carbon disulphide	Svovlkulstof		40/L	25	25	20/L	20/L	20/L
Carbon monoxide				140	110		60	
Carbon tetrachloride	Kultetraklorid		20/L	135	110	N	20/L	N
Carbonic acid				135	110		60	60
Casein				120	110			
Castor oil			90	140	110		60	60/L
Caustic soda solution							60	60
Cetyl alcohol (hexadecanol)							60	20
Chloral hydrate				25	25		60/**	60/**
Chloric acid		Aqueous 1%					60	60
Chloric acid		Aqueous 10%					60	60
Chlorinated lime						60	60	60
Chlorinated phenol				65	65			
Chloride	Klor	5% in CCl4		95	80			
Chlorine dioxide				65	65			
Chlorine water			L	110	110	20/L	60/L	60/L
Chlorine, gas			L	95	80	N	20/L	20/L
Chlorine, liquid			L	95	80	N	N	N
Chloroacetic acid		Aqueous sol. or		N	N	20	60	60
Chloroacetyl chloride				50	50			
Chlorobenzene				75	75	20/L	20/L	20/L
Chlorobenzene-sulfonic acid		Aqueous sol. or		95	95			
Chlorobenzyl chloride				50	50			
Chlorofluorocarbon 11				100	100			
Chlorofluorocarbon 113				100	100			
Chlorofluorocarbon 114				100	100			
Chlorofluorocarbon 12				100	100			

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Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP °C	HDPE °C	LDPE °C
Chlorofluorocarbon 13			°C	100	100			
Chlorofluorocarbon 14				100	100			
Chlorofluorocarbon 21				100	100			
Chlorofluorocarbon 22				100	100			
Chloroform			20/L	50	50	20/L	20/L -	N
6-Chlorohexanol				75	75			
Chlorohydrin				50	50			
Chloropicrin				65	65		20/L	
Chlorosulfonic acid			N	N	25	N		
Chlorotrimethylsilane				50	50			
Chrome alum		Aqueous sol. or		95	95		60	60
Chrome baths (industrial)						60		
Chromic acid (chromium)	Kromsyre	Up to 40% in water		80	80	20/L	20/L	20/L
Chromic acid	Kromsyre	50% in water		50	65		20/L	20/L
Chromic-sulphuric acid						N	N	N
Chromium trioxide		Cold sat.				20/L	20/L	20/L
Comic anhydride		10%	N					
Chromyl chloride				50	50			
Cider	Frugtvin			100	100		60	60
Citric acid	Citronsyre	Aqueous sol. or	60/L	135	110	100	60	60
Coal gas				110	110			
Coal tar			60/L				60/L**	60/L**
Coconut oil				140	110	60	60/L	60/L
Coffee						100	60	60
Copper acetate		Aqueous sol. or		120	110			
Copper carbonate, basic				140	110			
Copper chloride		Aqueous sol. or		140	110		60	60
Copper cyanide				135	110		20	20
Copper fluoride				135	110		60	60
Copper nitrate		Aqueous sol. or		135	110		60	60
Copper salt		Saturated sol.	60			60	60	60
Copper sulphate	Kobbersulfat	Aqueous sol. or	90	140	110		60	60
Corn oil				140	110	60/L	60/L	60/L
Corn syrup				120	110			
Cottonseed oil			90	140	110		60	60/L
Cresol		Any	L	65	65	60/L	60/L**	20/L
Cresylic acid				65	65			
Crotonaldehyde				50	40		60/L	20/L
Crude oil			60*	140	110		60/L	60/L
Cryolite				120	110			
Cuprous Chloride				120	110			
Cyclohexane	Cycloheksan		60/L	140	110	20/L	60	20
Cyclohexanol			40/L	65	65	60/L	60	60
Cyclohexanone (anone)	Cycloheksanon		40/L	25	25	20	20	20/L
Cyclohexyl Acetate				95	95			
<b>D</b>								
Decahydronaphthaline						20/L		
Decane				120	110			
Detergent						20	60	60
Dextrin		Aqueous sol. or		120	110	20	60	60
Diacetone alcohol	Diaceton alkohol		60/L	25	N			
Diammonium phosphate			60/L					
p-DiNobenzene				95	95			
1,2,-DiNopropane				95	95			
Dibutyl Phthalate				N	N	20	60/L	20/L
Dibutyl Sebacate				N	N		60/L	20/L
Dichlorethane			20/L				60/L	N
Dichlorethylene			20/L					
Dichloroacetic acid		50%					60	60
Dichloroacetic acid		Aqueous sol. or		50	50		60/L**	20
Dichloroacetic acid methyl							60	20/L
o-Dichlorobenzene				65	65		20/L	N
Dichlorodimethylsilane				50	50			
Dichlorodiphenyltrichlorethane							60	60
Dichloroethylene				110	105			

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Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Dichloropropane							20/L	N
Dichloropropene							20/L	N
2,2-Dichloropropionic Acid				50	50			
aa-Dichlorotoluene				65	65			
Diesel Fuels	Diesel		60/*	140	110	20/L	20	20
Diesel Oil			60/*					
Diethanolamine		Aqueous sol. or	60/*	N	N		20	20
Diethyl Malonate				N	N			
Diethylamine		Aqueous sol. or		25	N			
Diethyleneglycol			40/*					
Diethyleneglycol							60	60
Diethylenetriamine		Aqueous sol. or		50	40			
Diethanolamine	Diætylalkoholamin	Aqueous sol. or		20	N			
Diethylether						20/L	20/L	20/L
Diglycolic acid		30%					60	60
Diglycolic acid				25	25			
Diisobutyl ketone				75	25		20	20/L
Diisobutylene				140	110			
Diisononylphthalate				140	110	20		
Diisopropylether						20/L	20/L	20/L
Diisopropyl Ketone				20	N			
2,6-Dimehyl-4-heptanol				95	95			
Dimethyl acetamide				N	N			
Dimethyl formamide	Dimetyl formamid		80/* + *	N	N	20	60/L	20
Dimethyl phthalate				25	N		20	20/L
Dimethyl Sulfate			40/L	25	25			
Dimethyl Sulfoxide				N	N		60	20
2,5-Dimethyl-1,5-				120	110			
Dimethylamine		Aqueous solution or		25	N			
Dimethylaniline				25	25			
Dinitroorthocresol			L					
Diocyladipate						20		
Diocylphthalate	Diocylphthalat		60	25	25	20	20	20/L
Diocylphosphate			90/L					
1,4,1,4-Dioxane			60/L	N	N	20/L		
Dioxolane				N	N			
Diphenyl			90/L					
Dipropylene Glycol Methyl				25	N			
Disodium Phosphate		Aqueous sol. or		95	95		60	60
Disodium sulphate							60	60
Divinyl Benzene				50	50			
Drinking water, also							60	60
<b>E</b>								
Eau de Javelle (potassium hypochlorite bleaching							20/L	20/L
Eau de Labarraque (sodium hypochlorite bleaching							20/L	20/L
Edible oil, vegetable						60/L		
Edible oil, animal						60/L		
Engine oil			60			60/L		
Epichlorohydrin				N	N		60	60
Epsom salts		Aqueous sol. or		120	95			
Essential oils							60	60/L
Esters, aliphatic							60/L	20/L
Ethane							60	
Ethanethiol				25	25			
Ethanol							60	60
Ethanolamine		Aqueous sol. or		N	N		20	20
Ether							20/L	20/L
2-Ethoxyethyl acetate		Aqueous sol. or		95	95			
Ethyl acetate	Ethylacetat		60	N	N	20/L		
Ethyl acetoacetate				25	25			
Ethyl acrylate				25	25			
Ethyl alcohol (Ethanol)	Ethylalkohol	Aqueous sol. or	40/L	140	110	60	60	60
Ethyl chloride				140	110	N	20/L	20/L
Ethyl chloroacetate				25	25			

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Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Ethyl chloroformate				50	50			
Ethyl cyanoacetate				25	25			
Ethyl ether			20	50	40		20/L	20/L
Ethyl formate				25	25			
2-Ethyl-1-hexanol				120	110	20	20	20
Ethylbenzene				50	50	20/L	20/L	20/L
Ethylene							60	
Ethylene chlorhydrine	Glykol-klorhydrin	Aqueous sol. or	L	25	25		60**	60**
Ethylene chloride						20/L	20/L	20/L
Ethylene dichloride				135	110		20/L	20/L
Ethylene glycol		Aqueous sol. or	60/L	140	110		60	60
Ethylene oxide	Ethylenoxyd		60/L	95	95		60	
Ethylenediamine		Aqueous sol. or		105	50		60	60/L
<b>F</b>								
Fatty acid esters	Fedtsyreestere		90	140	110		60/L	60/L
Fatty acids, sulfonates				80	80			
Fatty alcohol sulphonate						20	20	20
Ferric chloride		Aqueous sol. or		140	110		60	60
Ferric hydroxide				120	110			
Ferric nitrate		Aqueous sol. or		135	110		60	60
Ferric sulfate				140	110		60	60
Ferric sulfide				120	110			
Ferrous chloride		Aqueous sol. or		140	110		60	60
Ferrous hydroxide				120	110			
Ferrous nitrate		Aqueous sol. or		135	110			
Ferrous sulfate				140	110		60	60
Fir-needle oil						60		
Fixing salts		All				60	60	60
Floor polish						60/L		
Fluid for hydrolic Nakes			60					
Fluorine	Fluor		L	25	25		N	N
Fluorhydric acid		40%	N					
Fluoroboric acid		Aqueous sol.		135	110		60/L	60/L
Fluorosilic acid			20/L	135	110		60	60
Formaldehyde	Formaldehyd	up to 40% in water		50	50	60	60	60
Formaldehyde	Formaldehyd	Technical	40/L					
Formic acid	Myresyre	Aqueous sol. or	N	120	110		60	60
Formic acid	Myresyre	50%	20/L			20/L		
Freon 11			60/L					
Freon 112			60/L					
Freon 114			60/L					
Freon 115			60/L					
Freon 12			60/L					
Freon 12 B1			20/L					
Freon 13			60/L					
Freon 21			50/L					
Freon 218			60/L					
Freon 22			60/L					
Freon 31			60/L					
Freon 32			60/L					
Freon 502			60/L					
Freon C 316			60/L					
Freon C 318			60/L					
Fructose		Aqueous sol. or		140	110	100	60	60
Fruit juices, pulp	Frug juice			110	110	60	60	60
Fuel oil	Nændselsolie		60/*	140	110	20/L	60/L	20/L
Fuel oil for planes			60					
Fuel (leaded)			60/L					
Fumaric acid				75	65			
Furan				N	N			
Furfural			60/L	25	25			
Furfuryl alcohol	Furfural	Aqueous sol. or		40	40		60**	60**
Furniture polish						60/L		
Fused grease			60					
<b>G</b>								



## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Gallic acid				25	25			
Gas, manufactured	Gas, forarbejdet			140	110		20	20
Gas, natural	Natur gas			140	110		20	20
Gas, lighting	Lighter gas		40					
Gasoline, leaded	Benzin (bly holdig)			140	110			
Gasoline, sour	Benzin			140	110		60/L	20/L
Gasoline, unleaded	Benzin (blyfri)			140	110			
Gelatin				120	110	60	60	60
Gin				100	100	20	20	20
Glucose	Glukose	Aqueous sol. or	90	140	110	100	60	60
Glue	Lim			120	110		60	60
Glutamic acid				95	95			
Glycerine	Glycerin	Aqueous sol. or	60/L	140	110	100	60	60
Glycerinestearate			60					
Glycine		Aqueous sol. or		25	25		60	60
Glycol + water		50 / 50	100/N			100		
Glycol + water		40 / 60	80/N			100		
Glycol + water		33 / 66	100/N			100	60	60
Glycolic acid				25	25			
<b>H</b>								
Heptane			60/*	140	110	20/L	60/L	20
Hexachloro-1,3-butadiene				50	50			
Hexamethylenediamine				N	N			
Hexamethylphosphotriamid				N	N			
Hexane	Heksan		60/*	140	110	20/L	60/L	20
Hexyl alcohol				80	80			
Hydraulic oil			20					
Hydraulic fluid			90/N				60/L	20
Hydrazine		Aqueous sol. or		95	95			
Hydrazine dihydrochloride		Aqueous sol. or		25	25			
Hydrazine hydrate		Aqueous sol. or		50	50		60	60
Hydriodic acid		Aqueous sol.		135	110			
Hydrobromic acid		Up to 50% in water		135	110	20	60	60
Hydrochloric acid	Saltsyre	1%	40/L	140	110			
Hydrochloric acid		10%	40/L	140	110	60		
Hydrochloric acid		20%	20/L	140	110			
Hydrochloric acid		30%	20/L	140	110	60		
Hydrochloric acid		Up to	N	140	110		60	60
Hydrocyanic acid		Aqueous sol.		135	110		60	60
Hydrofluoric acid		Up to 40% in water		120	110	60	60/L	60/L
Hydrofluoric acid		41—100% in water		95	95			
Hydrogen	Brint		90	140	110		60	
Hydrogen chloride	Brint klorid			140	110	60	60	20
Hydrogen cyanide				135	110			
Hydrogen fluoride				95	95			
Hydrogen peroxide	Brintoverilte	Up to 30% in water	40/L	70	95	60/L	20/L	20/L
Hydrogen peroxide	Brintoverilte	90% in water		20	20	N	20/L	20/L
Hydrogen sulfide				135	110			
Hydrogen sulfide		Aqueous sol.	60/L	105	110	60	60	60
Hydroquinone				120	110		20**	20**
Hypochlorous acid		Aqueous sol.		20	20		20/L	20/L
<b>I</b>								
Ink						60	60	60
Iodine		10% in Non-Aq. Sol.		65	65			
Iodine, gas				65	65			
Iodoform				95	95			
Iron salt		Cold sat.	60			100		
Isoamyl ether				120	50			
Isobutyl alcohol				120	110			
Isocyanates			20/L					
Isooctane				120	110	20/L	60/L	20
Isophorone			60/L	80	50			
Isopropyl alcohol		Aqueous sol. or	40/L	60	60	60		
Isopropyl chloride				40	40			
Isopropyl ether				50	50		20/L	20/L



## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Isopropylbenzene				40	40			
<b>J</b>								
Jet Fuel (JP4, JP5)				95	95			
<b>K</b>								
Kerosene	Petroleum		60/L	140	110	20/L	20	20/L
<b>L</b>								
Lactic acid	Mælkesyre	10%	60			100		
Lactic acid	Mælkesyre	Aqueous sol. or		50	50	60	60	60
Lanolin			60	120	110		60	60
Lard oil				140	110			
Lauric acid				105	110			
Laurile peroxide			20					
Lauroyl chloride				120	110			
Lauryl mercaptan				95	95			
Lauryl sulfate				120	110			
Lead acetate		Aqueous sol. or		135	110		60	60
Lead chloride				120	110			
Lead nitrate		Aqueous sol. or		120	110			
Lead sulfate				120	110			
Lead tetraethyl			20				20	20
Lemon oil				120	110	20		
Limewater			60/L				60	60
Linoleic acid				120	110			
Linseed cakes			90					
Linseed oil	Hørfrø olie		90	140	110	60	60	60/L
Lithium bromide		Aqueous sol. or		110	105		60	60
Lithium chloride		Aqueous sol. or		120	110			
Lubricating oil			90	140	110		60/L	60/L
<b>M</b>								
Magnesium carbonate				140	110		60	60
Magnesium chloride	Magnesiumklorid	Aqueous sol. or	90	140	110		60	60
Magnesium citrate				120	110			
Magnesium hydroxide				135	110		60	60
Magnesium nitrate		Aqueous sol. or		135	110			
Magnesium salts		Cold sat.	60			100	60	60
Magnesium sulfate		Aqueous sol. or		135	110		60	60
Maleic acid		Aqueous sol. or		135	110		60	60
Maleic anhydride				25	N			
Malic acid		Aqueous sol. or		120	110			
Manganese sulfate		Aqueous sol. or		120	110			
Menthol						20		
Mercuric chloride				120	110			
Mercuric cyanide				120	110			
Mercuric nitrate		Aqueous sol. or		135	110			
Mercury	Kviksølv		90	140	110	60	60	60
Mercury salts		Cold sat.				60	60	60
Merchurochrome		Diluted solution	20					
Methacrylic acid				50	50		60	60/L
Methane	Methan		90	140	110			
Methanesulfonic acid		Aqueous sol. or		95	95			
Methyl acetate	Methylacetat		60	40	40	60	20	20
Methyl acrylate				40	25		60	60/L
Methanol	Methylalkohol (træsprit)	Aqueous sol. or	40/L	140	110	60	60	60
Methyl bromide	Metylbromid			140	110		N	N
Methyl chloride	Metylchlorid		20	140	110		20/L	N
Methyl chloroacetate				25	N			
Methyl chloromethyl ether				25	N			
Methyl ethyl ketone	Metylethylketon		60/L	N	N	60/L	20	20/L
Methyl isobutyl ketone	Metylisobutylketon			N	N		20	20
Methyl methacrylate				50	40			
Methyl salicylate				65	65			
Methylamine				N	N			
Methylchloroform				50	50			
Methylene bromide				80	80			

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Methylene chloride			20/L	50	25	20/L	20/L	N
Methylene iodine				95	95			
Methylsulfuric acid		Aqueous sol. or		50	50		60	60
Methyltrichlorosilane				65	65			
Milk	Mælk		90	120	110	100	60	60
Mineral oil			90	140	110	60/L	60/L	60/L
Mineral water						100	60	60
Molasses				80	80		60	60
Monochlorobenzene			20/L				20/L	20/L
Morpholine		Aqueous sol. or		25	25	60	60	20
Motor oil				135	110		60/L	60/L
Mustard	Sennepe					20	60	60
<b>N</b>								
Nail varnish						60/L	60/L	60/L
Naphtha			60/*	135	110		60/L	60/L
Naphtalene	Naftalin		60	95	95	20	20	20
Nickel acetate		Aqueous sol. or		120	110			
Nickel chloride		Aqueous sol. or		120	110		60	60
Nickel nitrate		Aqueous sol. or		140	110		60	60
Nickel salts		Cold sat.	60			60	60	60
Nickel sulfate		Aqueous sol. or		140	110		60	60
Nicotine				20	20		60	60
Nicotinic acid				120	110		20	20
Nitric acid	Salpetersyre	Up to 10 % in water	N	80	80	60	60	60
Nitric acid	Salpetersyre	fuming	N	N	N			
Nitric acid	Salpetersyre	11-70 % in water	N	50	65	N	N	N
Nitrobenzene			20/L	25	25	60/L	20	20/L
Nitrocellulose varnish			60				20	20
Nitrochlorobenzene			L					
Nitroethane				20	20			
Nitrogen				140	110			
Nitrogen Dioxide				75	75			
Nitroglycerin				50	50			
Nitromethane				50	50			
Nitromethane / Methyl		40 / 60	20/L					
Nitrotoluene				80	80		20	20/L
Nitrous Oxide				N	N			
<b>O</b>								
Octane			60/L	140	110			
Octene				140	110			
Oleic acid	Oliesyre		60	120	110	20		
Oleum				N	N	N		
Olive oil				120	110	60	60	60/L
Orange juice						60	60	60
Orange oil						20		
Organic peroxide			20/L					
Orthodichlorobenzene			20/L					
Oxalic acid	Oxalsyre		60/L	50	50	60/L	60	60
Oxygen	Ilit		60/L	140	110		60	60
Ozone	Ozon		20/L	110	110	60/L	20/L	20/L
<b>P</b>								
Palm oil				95	95	60/L	20	20
Palmitic acid				120	110		60	60
Paradichlorobenzene			40					
Paraffin				120	110	60	60	60/L
Paraffin oil			60	120	110	60/L		
Paraffin wax			60				60/L	60/L
Peanut oil			90	120	110	100 (L)	20	20
Peppermint oil						20	20	20
Perchloric acid		10% in water		95	95		60	60
Perchloric acid		70% in water		50	50		20	20
Perchloroethylene	Perklorethylen		20/L	135	110		20/L	N
Perchloromethyl mercaptan				50	50			
Perfume						20		
Petrol (standard)			60/*			20/L		

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11	PVDF	PVDF	PP	HDPE	LDPE
			PA 12	HA	FX	°C	°C	°C
Petrol (super)			°C	°C	°C	20/L		
Petrolatum				140	110			
Petroleum			60/*	135	110	20/L	60/L	20/L
Petroleum ether			60			20/L	60/L	20
Phenols	Fenoler	5% in water	20/L	80	80	60		
Phenols	Fenoler		N	50	50	60	60**	20/L
1-Phenol-2-sulfonic acid				50	50			
Phenyl Ether				50	50			
Phenylhydrazine				50	50		20/L	20/L
Phenylhydrazine		Aqueous sol. or		50	50		20	20
o-Phenylphenol				80	80			
Phosgene				110	80		20/L	
Phosphoric acid		10%	40/L	135	110	100		
Phosphoric acid		40%	40/L	135	110			
Phosphoric acid		50%	40/L	135	110	60	60	60
Phosphoric acid	Fosforsyre	< 85 % in water		135	110	60		
Phosphoric acid	Fosforsyre	85 % in water		105	110		60/L**	60/L**
Phosphorus oxychloride			L	N	N	60/L	60/L	60/L
Phosphorus pentachloride				95	95			
Phosphorus pentoxide				95	95	20	60	60
Phosphorus, red				25	25			
Phosphorus trichloride			L	95	95	20	N	N
Photographic developer						60	60**	60**
Phthalic acid				95	95	60	60	60
Picric acid	Pikrinsyre		20/L	25	25		20	20
Pine-needle oil						60	20	20
Pine tar oil			90					
Plating Solutions: Nass				105	105			
Plating Solutions: Cadmium				105	105			
Plating Solutions: Chrome				105	105			
Plating Solutions: Copper				105	105			
Plating Solutions: Iron				105	105			
Plating Solutions: Lead				105	105			
Plating Solutions: Nickel				105	105			
Plating Solutions: Rodium				105	105			
Plating Solutions: Silver				105	105			
Plating Solutions: Speculum				105	105			
Plating Solutions: Tin				105	105			
Plating Solutions: Zinc				105	105			
Polyester plasticisers							60/L	20/L
Polyester resins							20/L	20/L
Polyethylene glycol				95	95			
Polyglycols							60	60
Polyvinyl acetate				135	110			
Polyvinyl alcohol				135	110			
Potassium				N	N			
Potassium acetate		Aqueous sol. or		140	110			
Potassium alum		Aqueous sol. or		140	110			
Potassium aluminum				140	110			
Potassium aluminum			90				60	60
Potassium bicarbonate		Aqueous sol. or		95	95		60	60
Potassium bisulfate		Aqueous sol. or		140	110		60	60
Potassium borate		Aqueous sol. or		140	110		60	60
Potassium bromate		Aqueous sol. or		140	110		60	60
Potassium bromide		Aqueous sol. or		140	110		60	60
Potassium carbonate		Aqueous sol. or	60/L	140	110	60	60	60
Potassium chlorate				95	95	60	60	60
Potassium chloride		Aqueous sol. or	90	140	110	100	60	60
Potassium chromate		Aqueous sol. or		140	110		60	60
Potassium cyanide		Aqueous sol. or		140	110		60	60
Potassium dichromate			20/L	140	110	100	60	60
Potassium ferricyanide		Aqueous sol. or		140	110		60	60
Potassium ferrocyanide	Kaliumferricyanid	Aqueous sol. or	100	140	110		60	60
Potassium fluoride		Aqueous sol. or		140	110		60	60
Potassium hydroxide	Kaliumhydroxid	5 to 10% in water	60	N	N	60	60	60
Potassium hydroxide	Kaliumhydroxid	50%	60				60	60

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Potassium hydroxide	Kaliumhydroxid	> 50% in water		N	N	N		
Potassium hypochlorite		Aqueous sol.		95	95		20/L	20/L
Potassium iodide		Aqueous sol. or	60	140	110	60	60	60
Potassium nitrate	Kaliumnitrat	Aqueous sol. or	20/*	140	110	60	60	60
Potassium perborate				140	110		60	60
Potassium perchlorate				95	95		60	60
Potassium permanaganate	Kaliumpermangan	Aqueous sol. or	N	120	110	60	60**	60**
Potassium persulfate				50	50	20	60	60
Potassium sulphate	Kaliumsulfat	Aqueous sol. or	90	140	110	60	60	60
Potassium sulfide				140	110		60	60
Propane	Propan		60	140	110	60	20	
Propyl acetate				40	25			
Propyl alcohol	Propanol	Aqueous sol. or		65	65		60	60
Propylamine				N	N			
Propylene dibromide				95	95			
Propylene dichloride				95	95		N	N
Propylene glycol		Aqueous sol. or	40/L	65	65	60	60	60
Propylene oxide				N	N		60	
Pyridine	Pyridin		20/L	N	N	20/L	60/L	60/L
Pyrogallol		Aqueous sol. or		50	50			
Pyrosulfuric acid			N					
<b>R</b>								
Raw gasoline						20/L		
<b>S</b>								
Salicylaldehyde				50	50			
Salicylic acid			20	95	95		60	60
Salt (dry)						100	60	60
Sea water			100	140	140		60	60
Selenic acid		Aqueous sol. or		65	65			
Silicate			90					
Silicon tetrachloride				50	50			
Silicon fluid			60					
Silicone oil				120	110	100	60	60
Silver cyanide				140	110			
Silver nitrate		Aqueous sol. or		140	110		60	60
Silver salts			60			60	60	60
Silver sulfate				120	110			
Soap			60			60	60	60
Soda water						20	60	60
Sodium				N	N			
Sodium acetate		Aqueous sol. or		140	110	100	60	60
Sodium amalgam				N	N			
Sodium benzoate		Aqueous sol. or		140	110		60	60
Sodium bicarbonate		Aqueous sol. or	60	140	110		60	60
Sodium bisulfate		Aqueous sol. or		140	110		60	60
Sodium bisulfite		Aqueous sol. or		140	110	60	60	60
Sodium borate			60				60	60
Sodium bromate		Aqueous sol. or		95	95		60	60
Sodium bromide		Aqueous sol. or		140	110			
Sodium carbonate	Natriumkarbonat	Aqueous sol. or	60/L	140	110	60	60	60
Sodium carbonate	Natriumkarbonat	10%	50/L			100		
Sodium carbonate	Natriumkarbonat	50%	50/L					
Sodium chlorate		Aqueous sol. or	60/L	120	110	60		
Sodium chloride (common			90			100	60	60
Sodium chlorite		Aqueous sol. or		120	110	20	20	20
Sodium chromate		Aqueous sol. or		95	95		60	60
Sodium cyanide		Aqueous sol. or		135	110		60	60
Sodium dichromate		Aqueous sol. or		95	95		60	60
Sodium dithionite		Aqueous sol. or		40	40			
Sodium ferricyanide		Aqueous sol. or		135	110		60	60
Sodium ferrocyanide		Aqueous sol. or		135	110		60	60
Sodium fluoride		Aqueous sol. or		140	110		60	60
Sodium fluosilcate				95	95			
Sodium hydrogen						100		
Sodium hydrogen		Aqueous sol. or		120	110			

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12 °C	PVDF HA °C	PVDF FX °C	PP °C	HDPE °C	LDPE °C
Sodium hydroxide (caustic soda)	Natriumhydroxid (Kaustisk soda)	100%				60	60	60
Sodium hydroxide	Natriumhydroxid (soda)	> 50% in water		N	N	60		
Sodium hydroxide	Natriumhydroxid (soda)	50%	40/L					
Sodium hydroxide	Natriumhydroxid (soda)	Up to 10% in water	60/L	40	40	100		
Sodium hypochlorite	(Eau de javel)	6 —15% in water		95	95	20/L	20/L	20/L
Sodium hypochlorite		Up to 5% in water	20	135	110	20/L		
Sodium iodide		Aqueous sol. or		140	110			
Sodium nitrate		Aqueous sol. or		135	110	60	60	60
Sodium nitrite		Aqueous sol. or	90	135	110	20	60	60
Sodium palmitate				120	110			
Sodium perchlorate		Aqueous sol. or		120	110		60	60
Sodium peroxide				95	95		20/L	20/L
Sodium peroprate						100		
Sodium phosphate		Aqueous sol. or		140	110	100	60	60
Sodium sulphate			60			100	60	60
Sodium sulphide			40/L			60	60	60
Sodium sulphite			60			60		
Sodium thiocyanate		Aqueous sol. or		120	110			
Sodium thiosulfate (fixing)		Aqueous sol. or	60	135	110	60	60	60
Sour crude oil				140	110			
Soya oil						60/L		
Soybean oil	Sojabønne olie			120	110		60	60/L
Stannic chloride		Aqueous sol. or		140	110			
Stannous chloride		Aqueous sol. or		140	110			
Starch			60	95	95		60	60
Stearic acid	Stearinsyre		90/L	140	110	20	60/L	60/L
Stilbene				80	80			
Styrene	Styren		90/*	80	85		20/L	20/L
Succinic acid			60	65	65	60	60	60
Sugar syrup				140	110	60	60	60
Sulphur	Svovl		40	120	110	100	60	60
Sulfur chloride				25	25			
Sulfur dichloride				25	25			
Sulfur dioxide				80	80	60	60	60
Sulphoric trioxide	Svovlsyrlinganhyd			N	N		N	N
Sulphuric acid		1%	60/L	120	110	100	60	60
Sulphuric acid		5%	50/L	120	110	100	60	60
Sulphuric acid		10%	40/L	120	110	100	60	60
Sulphuric acid		30%	40/L	120	110		60	60
Sulphuric acid		50%	N	120	110	60	60	60
Sulphuric acid	Svovlsyre	80 – 93 % in water	N	95	95	60/L	20/L	20/L
Sulphuric acid	Svovlsyre	98 % in water	N	65	65	20/L	20/L	20/L
Sulphuric acid	Svovlsyre	fuming		N	N			
Sulfurous anhydride		20/L						
Sulfuryl chloride				N	N			
Sulfuryl fluoride				25	25			
<b>T</b>								
Tall oil				140	110			
Tallow			80/L	140	110		60	60
Tannic acid				110	110		60	60
Tar				120	110	60/L		
Tartaric acid	Vinsyre	Aqueous sol. or	60	120	110	60	60	60
Tea						100		
Terpentine	Terpentin					20 L)		
Tetrabromomethane				120	110	20/L	20/L	N
Tetrachloroethane				120	110	20/L	20/L	N
Tetrachlorophenol				65	65			
Tetraethyllead				140	110			
Tetrahydrofurane	Tetrahydrofurane	Aqueous sol. or	60/L	N	N	20/L	20/L	N
Tetrahydronaphtaline						20/L		
Tetramethylammonium Hydroxide		Up to 10% in water		95	95			
Tetramethylurea				N	N			

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12 °C	PVDF HA °C	PVDF FX °C	PP °C	HDPE °C	LDPE °C
Thiocarbonate			20					
Thioglycol				25	25			
Thioglycolic acid				80	80		60	60
Thionyl chloride				N	N		N	N
Thiophene		60/L				20/L	20/L	20/L
Thiophosphoryl chloride				N	N			
Thread cutting oils				95	95			
Tin chloride		60				60	60	60
Titanium tetrachloride			N	65	65			
Toluene	Toluol	60/L		80	80	20/L	20/L	20/L
Toluenesulfonyl chloride				50	50			
Tomato juice				110	110	60	60	60
Toothpastes						60		
Transformer oil		60				60/L		
Tributyl phosphate	Tributylfosfat	90/L		25	25		60	20
Trichloroacetic acid		Up to 10% in water		95	95			
Trichloroacetic acid		50% in water to		50	50		60	60
Trichlorobenzene				95	95		N	N
Trichloroethane	Trikloröthan	20/L		65	65			
Trichloroethylene	Trikloröthylen	20/*		140	110	20/L	N	N
Trichlorophenol				65	65			
Tricresylphosphate	Trikrösyfosfat	90/L		N	N	20	60	20
Triethanolamine		Aqueous sol. or		50	50			
Triethyl phosphate				N	N	20		
Triethylamine				50	40			
Trifluoroacetic acid		50% in water		95	95			
Trifluoroacetic acid				50	50			
Trimethylamine		Aqueous sol. or gas		65	50			
Trimethylpentane			60					
Triphenylphosphate			60/L					
Trisodium phosphate		Sat. Solution	90				60	60
Turpentine	Terpentin			140	110			
Turpentine oil	Terpentin olie		90/*				20/L	20/L
<b>U</b>								
Urea	Urinstof	Aqueous sol. or	60/L	120	110	60	60	60
Uric acid			60				60	60
<b>V</b>								
Varnish	Lak			120	110			
Varsol				120	110			
Vaseline	Vaseline	60				60/L	20/L	20/L
Vegetable oil		60		140	110			
Vinegar	Eddike			110	110	60	60	60
Vinyl acetate				120	110		60	60/L
Vinyl chloride		20		95	95			
Vinylidene chloride				95	95		N	N
<b>W</b>								
Water	Vand		90	140	110	100	60	60
Water, salt	Havvand		90	140	110	100	60	60
Water, sewage	Spildvand, kloak			120	110			
Wax, liquid	Voks, flydende	20						
Whiskey				110	110	20	20	20
White spirit			20			20/L	20	20/L
Wine	Vin			110	110	60	20	20
<b>X</b>								
Xylene	Xylon		40/*	95	95	20/L	20/L	20/L
<b>Y</b>								
Yeast	Gær					20	60	60
<b>Z</b>								
Zinc acetate		Aqueous sol.		120	110			
Zinc bromide		Aqueous sol. or		120	110			
Zinc chloride		Aqueous sol. or	60/L	120	110		60	60
Zinc nitrate		Aqueous sol. or		140	110			
Zinc salts		Cold sat.	60			60	60	60
Zinc sulfide			90					

## TECHNICAL DATA SHEET

Chemical	Kemikalie	Koncentration / Concentration	PA 11 PA 12	PVDF HA	PVDF FX	PP	HDPE	LDPE
			°C	°C	°C	°C	°C	°C
Zinc sulfate		Aqueous sol. or		140	110		60	60

**Symbol forklaring:**

N = Ikke resistent  
L = Begrænset resistent  
\* = Kvælning  
\*\* = Misfarvning

**Explanation of symbols:**

*N = Not resistant*  
*L = Limited*  
*\* = Swelling*  
*\*\* = Discoloration*