

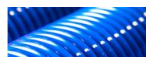
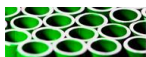
## TECHNICAL DATASHEET

### PA11 – SPIRAL HOSE

PA 11 spiral hoses are ideal for air tools used at varying distances from a fixed air outlet. They can easily be stretched and retracts immediately when released. The spirals are as standard delivered without swivels and spring guard. PA 11 spiral hose has better mechanical properties and offers better retraction behavior than PUR.

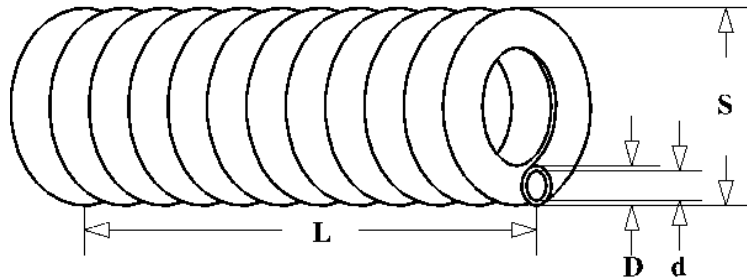
PA 11 is produced from a 100% renewable feedstock (castor oil) offering a reduced carbon footprint.

<b>Material</b>	Polyamide 11 in various hardness	
<b>Product code</b>	<ul style="list-style-type: none"> <li>• PA11 ST (PA02) – Semiflexible PA11 classified as PA11PHL (DIN73378)</li> <li>• PA11 HA (PA02) – Rigid PA11 classified as PA11P (DIN73378)</li> <li>• PA11 SF (PA05) – Super flexible PA 11</li> <li>• PA11 FDA (PA04) – Rigid PA11 approved for food contact (FDA)</li> </ul> <p>Please see individual datasheets for material characteristics</p>	
<b>Product type</b>	Spiral hose	
<b>Application</b>	Spiral hose for pneumatics, motor industry, hydraulic systems, industrial purposes, and food contact	
<b>Characteristics</b>	<p>High quality pneumatic spiral hose med particular good mechanical, thermal and chemical properties.</p> <p>PA 11 is produced from a 100% renewable feedstock (castor oil) offering a reduced carbon footprint.</p> <p>Individual datasheets with materials characteristics are available from our website.</p>	
<b>Standard/Norms</b>	N/A	
<b>Compliance</b>	<ul style="list-style-type: none"> <li>- EC Regulation 1907/2006 (REACH)</li> <li>- Directive 2011/65/EU (ROHS)</li> </ul>	
<b>Approval</b>	<p>PA11 FDA fulfils and is in accordance with the relevant requirements in:</p> <ul style="list-style-type: none"> <li>- EU Commission Regulation no. 2023/2006 (<i>GMP</i>)</li> <li>- EU Commission Regulation no. 1935/2004 (<i>Items for food contact</i>)</li> <li>- EU Commission Regulation no. 10/2011 (<i>Plastic materials and items for food contact</i>)</li> <li>- FDA (USA) Regulation 21 CFR 177.1500 "NYLON RESINS"</li> </ul> <p><i>Please request declaration of conformity for further information and specifications on dimensions</i></p>	
<b>Color</b>	Standard:	Natural, black, red, blue, green, and yellow
	Specialties:	Special colours at an additional charge
<b>Print</b>	Black or white printing at an additional charge	
<b>Packaging</b>	Each spiral is wrap in shrinkage foil or brown paper	



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### Design



Dimension: 15 meters working length (30 meters hose)  
 No free ends  
 Other dimensions are available as per request

Hose OD (D) mm	Hose ID (d) mm	Working length m	Spiral hose OD (S)		Spiral hose length (L)	
			mm	Tolerance	mm	Tolerance
4	2	15	45	+10/-5%	890	+10/-5%
4	2,5	15	45	+10/-5%	890	+10/-5%
5	3,2	15	48	+10/-5%	1200	+10/-5%
6	4	15	72	+10/-5%	870	+10/-5%
6	4,5	15	72	+10/-5%	870	+10/-5%
8	6	15	92	+10/-5%	1000	+10/-5%
10	7,5	15	122	+10/-5%	940	+10/-5%
10	8	15	130	+10/-5%	860	+10/-5%
12	9	15	134	+10/-5%	950	+10/-5%
12	9,5	15	134	+10/-5%	950	+10/-5%
12	10	15	164	+10/-5%	800	+10/-5%
16	12	15	200	+10/-5%	830	+10/-5%

### Origin

Products are “Made in Denmark” and raw material for the products originates from the EU or EFTA countries

### Documentation

Specific documentation is available for:

- materials
- chemical resistance
- permeability
- packaging
- regulatory status

*The information contained in this document is based on information obtain from raw material suppliers, data selected from the literature and specific testing, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Knudsen Extrusion ApS regarding the handling or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.*

