

# ***GREMFLEX® PA11***

## **TECHNICAL DATA SHEET**

**GREMFLEX® PA11:** Polyamide 11 monofilament "Rilsan®".

The raw materials used as well as the diameter of the individual strands (Ø0.30mm) ensure the sheath provides excellent abrasion resistance.

With continuous working temperatures ranging from -70°C up to +100°C, **Gremflex® PA11** is also self-extinguishing. Moreover, "Rilsan®" is very resistant to chemicals, oils and hydrocarbons as well as rodent and insect attacks.

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**Working temperature** -70°C up to +100°C

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**Standard colours** Black, grey.

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**Non-standard colours** Upon request.

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## **DIMENSION DATA**

Reference Gremflex	Size	Range of use advised (mm)	Construction	
			Nbre of yarns	Weight g / 100 m (±10%)
PA 11	3	2 up to 4	48	450
PA 11	4	3 up to 5	60	580
PA 11	5	3 up to 7	72	670
PA 11	6	4 up to 8	84	760
PA 11	8	5 up to 10	96	830
PA 11	10	7 up to 12	120	1100
PA 11	12	8 up to 14	144	1350
PA 11	14	10 up to 16	160	1540
PA 11	16	12 up to 18	192	1810
PA 11	18	13 up to 21	224	2070
PA 11	20	15 up to 23	224	2200
PA 11	22	16 up to 25	256	2270
PA 11	25	18 up to 28	256	2430
PA 11	30	25 up to 32	288	3120
PA 11	35	27 up to 40	384	3770
PA 11	40	30 up to 44	384	4360
PA 11	50	40 up to 58	480	5230
PA 11	60	50 up to 68	600	6300

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## **TECHNICAL CHARACTERISTICS:**

	<b>Standard Requirements</b>	<b>Test Methods</b>
<b>PHYSICAL</b>		
Working temperature	-70°C up to +100°C	
Withstand peaks	+150°C	
Melting point	+185°C	
Flame resistance	Self-extinguishing V2	ASTM D 635 UL 94
<b>CHEMICAL</b>		
Oxygen index limit	26%	ASTM D 2863
Hydrocarbon resistance	Excellent	
Chemical resistance	Unaffected by most chemicals (Consult us for special environments)	
<b>CUTTING</b>		
<b>Gremflex® PA11</b> can be cut in short lengths for production programmes.		
<b>PACKAGING</b>		
Coils fastened with ties under plastic wrapping.		

*We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. Gremco shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.*