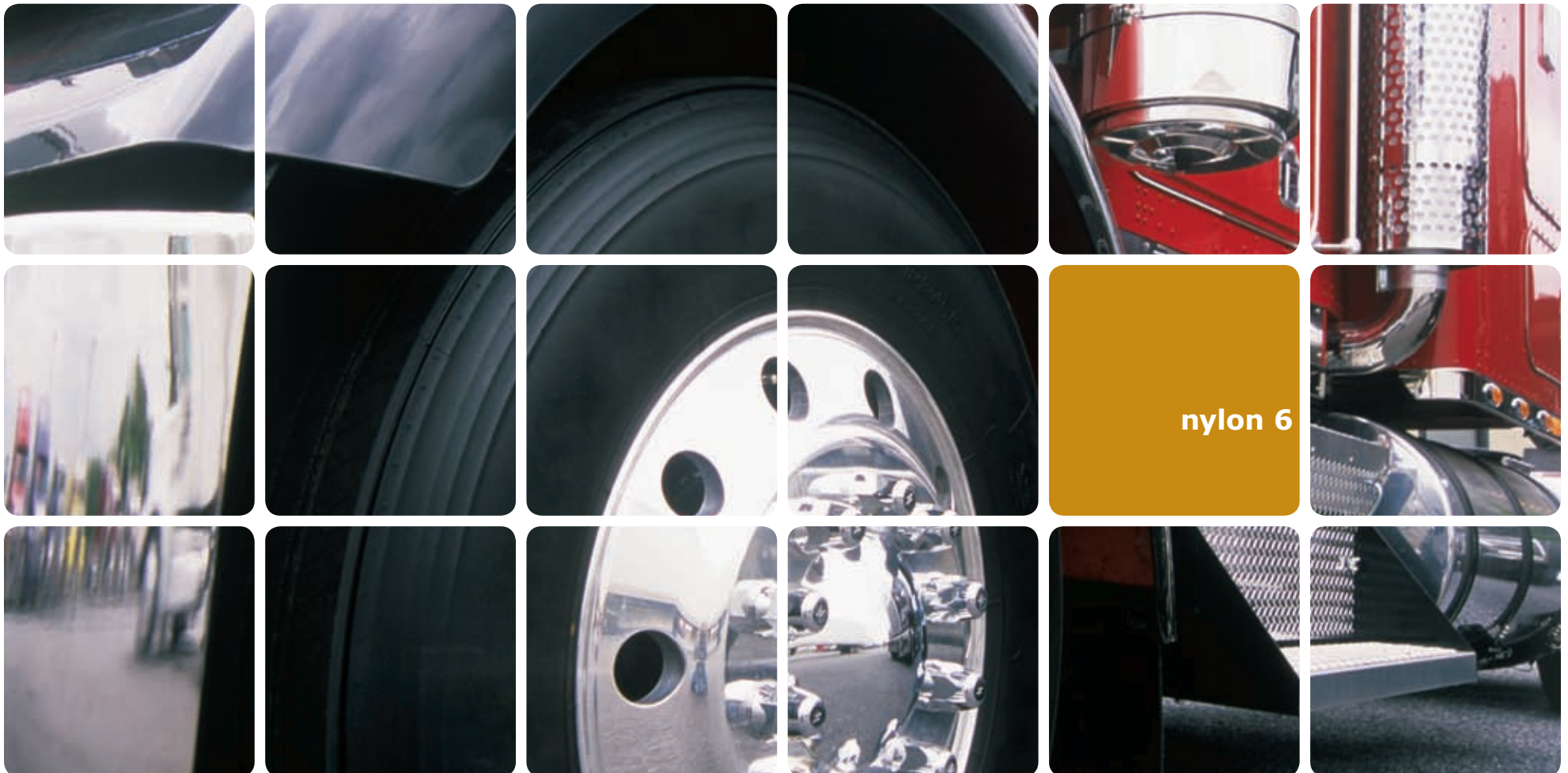


PRODUCT GUIDE: NYLON 6

TIME-TESTED RELIABILITY AND VERSATILITY





### NYLON 6: TIME-TESTED RELIABILITY AND VERSATILITY

For decades, Nylon 6 has been one of the most reliable and versatile materials available. Whether the need is for fiber or a treated fabric, traditional uses or the next new product, the consistency, uniformity, and high quality of Performance Fibers' Nylon 6 mean less variation in manufacturing, greater productivity and the reliability you expect from this time-honored performer.

#### Applications include:

heavy duty truck and agriculture tires, rope, fishing nets, coated fabrics, luggage, heavy duty cloth-like materials, outdoor furniture, threads and filaments.

#### FEATURES AND BENEFITS:

- High elasticity and tensile strength make Nylon 6 a good choice for applications where toughness, impact resistance and durability are critical
- Good resiliency and resistance to both chemicals and abrasion is why Nylon 6 is a popular material in a variety of industrial applications
- Nylon 6 has a softer hand and good dyeability that help to make it a good choice in consumer-facing applications where touch, comfort and color are important

*(architectural design)*

*(commercial&industrial)*

*(energy)*

*(environment)*

*(lifestyle&leisure)*

*(safety&security)*

*(transportation)*

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Nylon 6																									
Product	Features/ Benefits	Color	North America	Europe	Asia	Denier	Dtex	Filament Count	Intermingled	Breaking Strength			Tenacity		Elongation @ 45N (10 LBS)	Elongation @ 67N (15 LBS)	Elongation @ 89N (20 LBS)	Elongation @ break	Thermal Shrinkage 177°C-0.01gpd-2min	Testrite Shrinkage 172°C-0.06gpd-2min	DPU	Twist			
										(V0)	(lbs)	(kg)	(N)	(g/d)									(cN/dtex)		
Nylon 6		White	X			840	930	136	V0	16.2	7.3	72	8.7	7.7				19.0							
						1050	1170	204	V0	20.5	9.3	91	8.8	7.8			19.0								
						1260	1400	204	V0	24.5	11.1	109	8.8	7.8			20.0								
		Yellow	X				840	930	136	V0	17.1	7.8	76	9.2	8.1				18.4						
							1260	1400	204	V0	25.2	11.4	112	9.1	8.0			19.0							
							1890	2100	306	V0	38.4	17.4	171	9.2	8.1			19.0							
840/2	Nylon 6 Tire Fabric*		X			2000				30.5	13.9	136			8.5			5.0	6.5 max	4.5	47.0				
1260/2	Nylon 6 Tire Fabric*		X			2900				46.0	20.9	205			10.0			6.5	6.0 max	4.5	39.5				
1890/2	Nylon 6 Tire Fabric*		X			4400				71.5	32.5	318				8.4		8.0	8.5 max	4.5	31.5				

\*conditioned sample in lab during 12 hrs. Std. Condition 24°C., 55% R.H.  
 V0 = intermingled with no twist

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**offshore mooring**  
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**sewing thread**  
**single end cord**  
**tire reinforcements**  
**treated fabrics**

**specialty yarns:**  
**multiplex**  
**nylon 6**  
**PBT**  
**PEEK**

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