

PRODUCT GUIDE: TREATED FABRICS

FABRICATIONS FOR SPEED AND DURABILITY





TREATED FABRICS: FABRICATIONS FOR SPEED AND DURABILITY

Performance Fibers offers RFL* treated fabrics in a wide variety of treatments and construction styles using polyester and nylon for use in tires and engineered products. We produce treated fabrics in multiple locations to supply the rubber reinforcement industry using state-of-the-art equipment and advanced adhesion technology. We can design a customized fabric to meet demanding specifications designed to yield a high-performance end use product.

Applications include:

tire carcass and overlay reinforcement for passenger cars, light trucks, motorcycles, agriculture vehicles, heavy trucks and buses, and engineered reinforcements including conveyor belts.

FEATURES AND BENEFITS:

- High dimensional stability DSP® fibers and fabrics for high performance radial passenger tires plus high strength, high toughness Nylon 6 fabrics for bias truck and bus tires
- Canvas duck in a variety of EP, PP, NN styles for heavy industrial conveyor belting
- One- or two-stage treating using proprietary RFL dip chemistry and optimized heat treatments provides good adhesion performance in a wide variety of rubber compounds
- Precisely controlled process residence times, temperatures and tensions to insure high uniformity across the fabric width and along the entire warp length

* Resorcinol Formaldehyde Latex

(architectural design)

(commercial&industrial)

(energy)

(environment)

(lifestyle&leisure)

(safety&security)

(transportation)

(fiber and fabric for your most demanding and delicate applications)

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 Mexico: +52 442 211 3046

www.performancefibers.com

Treated Fabrics																		
Product	Features/ Benefits	North America	Europe	Asia	Denier	Dtex	Breaking Strength			Elongation @ 45N (10 LBS)	Elongation @ 67N (15 LBS)	Elongation @ 89N (20 LBS)	Elongation @ break	Free Shrinkage 177°C-0.01gpd-2min	Testrite Shrinkage 172°C-0.06gpd-2min	Thermal Shrinkage 177°C-0.05gpd-2min	DPU	Twist
							(lbs)	(kg)	(N)									
1X50 - 1100/2	HMLS Polyester Tire Fabric	X		X	2300			145	4.5			14.5	2.5		1.7	3.5	47.0	
1X50 - 1440/2	HMLS Polyester Tire Fabric	X		X	3000			190	5.0			14.5	2.6		1.7	3.5	39.0	
1X50 - 1670/2	HMLS Polyester Tire Fabric	X		X	3500			215		4.5		14.5	2.7		1.8	3.5	34.0	
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	

*Nylon 6: conditioned sample in lab during 12 hrs. Std. Condition 24°C., 55% R.H.

The Treated Fabrics (TF) products listed here represent a basic offering of this broad product line. Performance Fibers offers a wide range of customizable product solutions in TF that can meet many demanding specifications and applications. Please contact us to discuss how we can meet your needs.

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OUR EXTENDED FAMILY OF PRODUCTS



automotive safety
coated fibers & fabrics
engineered reinforcements
geotextile & geogrid
narrow fabrics
offshore mooring
rope & cordage
sewing thread
single end cord
tire reinforcements
treated fabrics

specialty yarns:
multiplex
nylon 6
PBT
PEEK

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