

Product Name: TPU 1001 PFR

Polyurethane Coated Nylon Reinforced Fabric, Flame Resistance 59" and 81"

End uses: Air Beam Inflatable Shelters and Tents, Life Vests FAA

Complies with: TSO C13f, Mildew resistance of textile materials: Soil Burial Method Fed STD-191A Method 5762.

PROP 65: The product does not require warning label in accord to proposition 65:2018, as the product does not contain a listed substance or/and is under the NSRL "Safe Harbor" levels.

Property	Test Method	Exposure	TSO C13f Requirements	Typical Values
Fabric Type	-	-		Nylon
Fabric Count	ASTM D3775	-		66/56 per inch
Fabric Weight	ASTM D3776	-		3.48 oz/yd ²
Total Weight	ASTM D3776	-		8.0 oz/yd ²
Width[s]**	-	-		59, 81 inch
Breaking Strength (Grab)	FED. Std. 191A Method 5100	1. Standard Condition	≥ 233/200 lbs	240/210 lbs
		2. After accelerated aging 168 hours 158 °F	≥ 210/181 lbs	216/190 lbs
Trapezoid Tear Strength	FTMS 191A Method 5136	1. Standard Condition	≥ 11/8.8 lbs	11/9.0 lbs
		2. After accelerated aging 168 hours 158 °F	≥ 9.9/7.9 lbs	10.8/8.8 lbs
Coating Adhesion	FTMS 191A Method 5970	1. Standard Condition	≥ 10.90 lbs/inch	22 lbs/inch
		2. After accelerated aging 168 hours 158 °C	≥ 9.8 lbs/inch	14.5 lbs/inch
Seam Shear Strength (Grab Test)	FTMS 191A Method 5100	HF welding and grab test at 70 °F. Separation rate at 12 inch/min	≥ 88/88 lbs	110/99 lbs
		HF welding and grab test at 140 °F. Separation rate at 12 inch/min	≥ 59/59 lbs	99/88 lbs
Flammability	FAR section 25.853 App. F. part 1 horizontal burn rate		2.5 inch/min	Pass
Flammability	BS 5438 B2			6.5 cm / 3.3 sec
Helium gas permeability	ASTM D 1434V for compliance with TSO-C13F DOT FAA	24 hrs. at 25°C	5 Liter/m ² /24 hrs	1.8 Liter/m ² /24 hrs
Mildew resistance of textile materials: Soil Burial Method	Fed STD-191A Method 5762	2, 4, 6 weeks at 82-86 °F and 85-95% RH		After 6 weeks 10% fungal growth

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We believe this information is the best currently available. This product data sheet is subject to revisions once additional know-how is gained. We make no guarantee of results and assume no obligation liability whatsoever in connection with this information.