

Product Name: TPU 2001
Polyurethane Coated both sides membrane, Nylon fabric,
End Use: Inflatable Boats and Oil Boom

Properties Test & Method	Typical Characteristics	
	English	Metric
Base Fabric	Nylon 840 Den 9.5 Oz/yd ²	Nylon 940 Dtx 320 gr/m ²
Total Weight ASTM D 751	30 [Oz/yd ²]	1040 [gr/m ²]
Breaking Strength - Strip ASTM D 751 method B	530/ 500 [lbs/inch]	4800 / 4500 [N/5 cm]
Breaking Strength - Grab ASTM D 751 method A	800 / 750 [lbs]	3600 / 3400 [N]
Tear Strength - Single Rip ASTM D 751 method B, DIN 53356	33 / 33 [lbs]	150 / 150 [N]
Tear Strength - Double Rip ISO 4674	55 / 55 [lbs]	250 / 250 [N]
Tear Strength - Trapez DIN 53363	65 / 65 [lbs]	300 / 300 [N]
Coating Adhesion (HF welding) ASTM D 751 - Dry	39 / 39 [lbs/inch]	350 / 350 [N/5 cm]
Coating Adhesion (HF welding) ASTM D 751 - After Hydrolysis (24 hours @ 3% Saline Solution)	25 / 25 [lbs/inch]	230 / 230 [N/5 cm]
Coating Adhesion (HF welding) ASTM D 751- After Hydrolysis (42 days @ 160°F / 70°C)	24 / 24 [lbs/inch]	220 / 220 [N/5 cm]
Abrasion (Taber H-22 Wheel 1 Kg load) ASTM D 3389	30 mg /1000 cycles	
Air Porosity B.S. 4F 100 Clause 32.1	Pass (10 min at 7 psi)	
Cold Crack / Bend DIN 53361	-40°F	- 40°C
Blocking Resistance ASTM D 1893	# 1	
Puncture Resistance Fed .STD. 101-2031	385 [lbs]	1750 [N]