


Product Name: TPU 2036
Polyurethane coated both sides membrane, Polyester fabric.
End Use: Inflatable Boats and Oil Booms.

Properties	Typical Characteristics	
Test & Method	English	Metric
Base Fabric	Polyester 1000 Den 8.25 [Oz/yd ²]	Polyester 1100 Dtx 280 [gr/m ²]
Total Weight ASTM D 751	29 [Oz/yd ²]	960 [gr/m ²]
Breaking Strength - Strip ASTM D 751 method B	500 / 450 [lbs/inch]	4500 / 4000 [N/5 cm]
Breaking Strength - Grab ASTM D 751 method A	660 / 660 [lbs]	3000 / 3000 [N]
Tear Strength - Single Rip ASTM D 751 method B, DIN 53356	22 / 18 [lbs]	100 / 80 [N]
Tear Strength - Double Rip ISO 4674	44 / 33 [lbs]	200 / 150 [N]
Tear Strength - Trapez DIN 53363	55 / 44 [lbs]	250 / 200 [N]
Coating Adhesion (HF Welding) ASTM D 751	33 / 33 [lbs/inch]	300 / 300 [N/5 cm]
Abrasion Resistance (Taber H-22 Wheel 1 Kg load) ASTM D 3389	<35 mg / 1000 cycles	
Air Porosity B.S. 4F. 100 Clause 32.1	Pass (10 min at 7 psi)	
Cold Crack / Bend DIN 53361	-55°F	-48°C
Blocking Resistance ASTM D 751	# 1	
Puncture Resistance Fed. Std. 101-2031	265 [lbs]	1200 [N]
Hydrostatic Resistance Fed. Std. 191-5512	500 [psi]	351 [N/cm ²]