

TPU Aliphatic PU / PVC Alloy for improved Chemical & Abrasion Resistance.

End Use: Oil Booms, Inflatable Boats.

Properties Test & Method	Typical Characteristics	
	English	Metric
Base Fabric	Polyester 1,000 Den 8.1 [Oz/yd ²]	Polyester 1,100 Dtx 275 [gr/m ²]
Total Weight ASTM D 751	29.5 [Oz/yd ²]	1000 [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	145 / 110 [lbs]	650 / 500 [N]
Tear Strength – Double Rip ISO 4674	165 / 120 [lbs]	750 / 550 [N]
Tear Strength – Trapez DIN 53363	80 / 65 [lbs]	350 / 300 [N]
Coating Adhesion (HF welding) ASTM D 751	22 / 22 [lbs/inch]	200 / 200 [N/5 cm]
Blocking Resistance ASTM D 751 @ 70°C (160°F) 6 hrs	#1	
Cold Cracks / Bend ASTM D 2136, DIN 53361	-40°F	-40°C