

Product Name: TPU 2057

TPU Coated both sides membrane, Polyester fabric

End Use: Potable Water Tanks

Approved for International Specification: WRAS; BS 6920; NSF/ANSI 61

Properties Test & Method	Typical Characteristics	
	English	Metric
Base Fabric	Polyester 1000 Den 8 [Oz/yd ²]	Polyester 1100 Dtx 270 [gr/m ²]
Total Weight ASTM D 751	29 [Oz/yd ²]	960 [gr/m ²]
Breaking Strength - Strip ASTM D 751 method B	425 / 380 [lbs/inch]	3800 / 3400 [N/5 cm]
Elongation at break ASTM D 751 method B	18 / 24 [%]	
Breaking Strength - Grab ASTM D 751 method A	440 / 440 [lbs]	2000 / 2000 [N]
Tear Strength - Single Rip ASTM D 751 method B, DIN 53356	22 / 18 [lbs]	100 / 80 [N]
Tear Strength - Double Rip ISO 4674	40 / 22 [lbs]	180 / 100 [N]
Tear Strength - Trapez DIN 53363	44 / 44 [lbs]	200 / 200 [N]
Coating Adhesion (HF welding) ASTM D 751	45 / 45 [lbs/inch]	400 / 400 [N/5 cm]
Abrasion Resistance (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)	
Weathering - 4000 hrs. ASTM G 154 UVA 8 hrs. 60°C, 4 hrs. Cond. 50°C	No cracking No change on surface texture. Slight color change	
Cold Crack / Bend Din 53361	-76°F	-60°C
Puncture Resistance Fed. Std. 101-2031	242 [lbs]	1100 [N]

