

Product Name: TPU 1001 L
Polyurethane Coated membrane, Nylon fabric.
End Use: Medical appliances, Mattresses covers, Protective clothing and Life vests

Complies with: CEN 396 & SOLAS MSC. 81 (70)

Properties		Typical Values	
Test & Method	CEN 396 Requirements	English	Metric
Fabric Type	-	Nylon [210 den]	Nylon [235 Dtx]
Total Weight ISO 3801	-	8 [Oz/yd ²]	273 [gr/m ²]
Breaking Strength ISO 1421	22 / 22 [lbs/inch] 200 / 200 [N/50 mm]	120 / 100 [lbs/inch]	1100 / 900 [N/50mm]
Breaking Strength After water immersion 24 hrs. @ 20°C - ISO 1421	22 / 22 [lbs/inch] 200 / 200 [N/50mm]	110 / 88 [lbs/inch]	1000 / 800 [N/50mm]
Elongation at Break ISO 1421	Max 60 [%]	Pass	Pass
Elongation at Break After water immersion 24 hrs. @ 20°C - ISO 1421	Max 60 [%]	Pass	Pass
Tear Strength ISO 4674 method A1	7.7 [lbs] 35 / 35 [N]	7.7 [lbs]	35 / 35 [N]
Adhesion - Dry ISO 2411	5.5 / 5.5 [lbs/inch] 50 / 50 [N/50mm]	16.5 / 16.5 [lbs/inch]	150 / 150 [N/50mm]
Adhesion- Wet (336 hours in water at 70°C) ISO 2411	4.4 / 4.4 [lbs/inch] 40 / 40 [N/50mm]	11 / 11 [lbs/inch]	100 / 100 [N/50mm]
Resistance to flex cracking (9000 cycles) ISO 7854 Method A	No damage	Pass	Pass
Cytotoxicity ISO 10993-5.2009		0	