

Product Name: TPU 1009

TPU One side coated membrane, Nylon fabric.

End Use: Medical, Inflatables

Properties Test & Method	Typical Characteristics	
	English	Metric
Base Fabric	Nylon 2x210/840 Den 5 [Oz/yd ²]	Nylon 2x235/940 Dtx 170 [gr/m ²]
Total Weight ISO 3801	9.7 [Oz/yd ²]	330 [gr/m ²]
Breaking Strength - Grab ASTM D 751 method A	240 / 375 [lbs]	1100 / 1700 [N]
Breaking Strength ISO 1421	135 / 167 [lbs/inch]	1200 / 1500 [N/5 cm]
Breaking Strength After water immersion 24 hrs. @ 20°C ISO 1421	100 /100 [lbs/inch]	900 / 900 [N/5 cm]
Tear Strength - Single Rip ASTM D 751, method B, DIN 53356	5.5 / 12 [lbs]	25 / 50 [N]
Tear Strength ISO 4674 method A1	11 / 22 [lbs]	50 / 100 [N]
Tear Strength - Trapez DIN 53363	15 / 29 [lbs]	70 / 130 [N]
Adhesion - Dry ISO 2411	28 / 27 [lbs/inch]	250 / 240 [N/5 cm]
Adhesion - Wet ISO 2411 (336 hours in water @ 70°C)	17 / 16 [lbs/inch]	150 / 140 [N/5 cm]
Cytotoxicity ISO 10993-5.2009	0	