



# E SQUARED

An EPT & Erez Company

1227 Central Avenue, Hillside, NJ 07205 USA 1-908-558-0899

Product Name: TPU 2051

Outer side based on Aliphatic TPU, 100% Polyurethane coating, excellent antibacterial and hydrolytic resistance, Low temperature resistance.

End Use: Flexitanks, Boats.

Properties Test & Method	Typical Characteristics	
	English	Metric
Base Fabric	Polyester 1500 Den 14.5 [Oz/yd <sup>2</sup> ]	Polyester 1,670 Dtx 490 [gr/m <sup>2</sup> ]
Total Weight ASTM D 751	40 [Oz/yd <sup>2</sup> ]	1360 [gr/m <sup>2</sup> ]
Width[s]**	59, 81 [inch]	150, 205 [cm]
Breaking Strength - Strip ASTM D 751 method B	780 / 670 [lbs/inch]	7000 / 6000 [N/5 cm]
Elongation at Break ASTM D 751 method B	23 / 32 [%]	
Tear Strength - Single Rip ASTM D 751 method B, DIN 53356	44 / 44 [lbs]	200 / 200 [N]
Tear Strength - Double Rip ISO 4674	80 / 100 [lbs]	350 / 450 [N]
Tear Strength - Trapez DIN 53363	120 / 120 [lbs]	550 / 550 [N]
Coating Adhesion (HF welding) ASTM D 751	56 / 56 [lbs/inch]	500 / 500 [N/5 cm]
Puncture Resistance Fed. Std. 101-2031	440 [lbs]	2000 [N]
Abrasion Resistance (Taber H-22 Wheel 1 Kg load) ASTM D 3389	<5 mg / 1000 cycles >30,000 cycles to expose the fabric	
Air Porosity B.S. 4F 100 Clause 32.1	Pass (10 min at 7 psi)	
Blocking Resistance ASTM D 751- 70°C (160°F) 6 hrs.	#1	
Fungus Growth MIL-STD 810F Method 508.5	Rate 0 (No fungus growth)	
Cold Crack / Bend Din 53361	-58°F	-50°C

\*\* For special/additional widths, please contact EREZ's representative.

**PROP 65:** The product does not require warning label in accord to proposition 65:2018, as the product does not contain a listed substance or/and is under the NSRL "Safe Harbor" levels.

We believe this information is the best currently available. This product data sheet is subject to revisions once additional know-how is gained.  
We make no guarantee of results and assume no obligation liability whatsoever in connection with this information.