


**Product Name: ER 1000**
**PVC/Ethylene Interpolymer Alloy for improved durability & Chemical Resistance.**
**Complies with:** MIL-B 53081 Specification and ATPD 2262 Military Specification for Berm Liners

Properties	Typical Characteristics	
Test & Method	English	Metric
Base Fabric	Polyester 1,000 Den 8.1 [Oz/yd <sup>2</sup> ]	Polyester 1,100 Detx 275 [gr/m <sup>2</sup> ]
Total Weight ASTM D 751	29.5 [Oz/yd <sup>2</sup> ]	1000 [gr/m <sup>2</sup> ]
Width[s]**	59, 81 [inches]	150, 205 [cm]
Thickness ASTM D 751	36.6 [mils]	930 [μm]
Breaking Strength - Strip ASTM D 751 method B	500 / 485 [lbs/inch]	4500 / 4300 [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	77 / 55 [lbs]	320 / 250 [N]
Tear Strength - Double Rip ISO 4674	100 / 75 [lbs]	450 / 330 [N]
Tear Strength - Trapezoid DIN 53363	80 / 60 [lbs]	350 / 270 [N]
Tear Strength ASTM D 5884 Rev A	63 / 45 [lbs]	280 / 200 [N]
Puncture Strength ASTM D 4833	326 [lbs]	1450 [N]
Puncture Resistance Fed. Std 101C-2031	370 [lbs]	1650 [N]
Bursting Strength ASTM D 751 (ball)	955 [lbs]	4250 [N]
Coating Adhesion ASTM D 751 / HF welding	33.6 / 33.6 [lbs/in]	300 / 300 [N/5 cm]
Bonded Seam Strength - Grab ASTM D751 method A	640 / 560 [lbs]	2850 / 2500 [N]
Cold Crack / Bend ASTM D 2136, DIN 53361	-40°F	-40°C
Heat Resistance ETP - 01	158°F	70°C
Blocking Resistance ASTM D 751 @ 70°C (160°F) 6 hrs.	#1	

Flame Resistance MVSS 302 (Horizontal Test), ISO 3795	< 50 mm/min	
Surface Resistance ASTM D 257	10 <sup>10</sup> Ω/Sq	
Methane Gas Permeability DIN 53380-2 @ 2.5 bar (36 psi)	0 [ft <sup>3</sup> /ft <sup>2</sup> x day]	0 [cm <sup>3</sup> /m <sup>2</sup> x day]
Hydrostatic Resistance ISO 811	>72 [psi]	>5000 [mbar]
Dead Load – Seam Shear Strength ASTM D751 – 4 hrs. 70°F (21°C) @ 240 lbs (109 kg)	Pass	
Dead Load – Seam Shear Strength ASTM D751 – 4 hrs. 160°F (71°C) @ 120 lbs (55 kg)	Pass	
Methane Gas Permeability ASTM D1434 Procedure V	4.5 E- <sup>13</sup> [cm <sup>3</sup> cm/(cm <sup>2</sup> *s*Pa)]	
JP 8 Gas Permeability ASTM D814	44.27 [gr/sq.m./24hours]	
Wicking Test ASTM D751	< 1/8 [inch]	< 0.3 [cm]
Dimensional stability ASTM D1204 @ 212 °F / 100 °C – 1 hr	<0.5% each direction	
Oil Resistance to Fuel A ASTM D471 – Tot. immersion for 7 days @72 °F/22 °C	5.5% max. change in mass	
Abrasion (Taber) ASTM D 3389 (H-22 1,000 gr)	< 125 [mg/1000 cycles]	
Abrasion (Taber) ASTM D 3389 (H-18 1,000 gr)	>4000 Cycles before fabric exposure 6 mg / 100 cycles max. weight loss	

**\*\* 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.

