

Product Name: ER 680
PVC/Ethylene Interpolymer Alloy Coated membrane for improved durability and chemical resistance.

Properties		Typical Characteristics	
Test & Method		English	Metric
Base Fabric Fed. Std. 191A:5050		Polyester 1,000 Den 7.46 [Oz/yd ²]	Polyester 1,100 DTX 253 [gr/m ²]
Weave Density Fed. Std. 191A:4021		26.7 / 28 [yarn/inch]	10.5 / 11 [yarn/cm]
Total Weight ASTM D 751, Fed. Std. 191A:5041, BS 3424		21.2 [Oz/yd ²]	720 [gr/m ²]
Width[s] Fed. Std. 191A:5020		59, 81 [inches]	150, 205 [cm]
Breaking Strength - Grab ASTM D 751 method A, Fed. Std. 191A:5100		620 / 620 [lbs]	2800 / 2800 [N]
Breaking Strength - Strip ASTM D 751 method B, Fed. Std. 191A:5102		450 / 450 [lbs/inch]	4000 / 4000 [N/5 cm]
Elongation at Break – Strip ASTM D 751 method B, Fed. Std. 191A:5102		16 / 25 [%]	
Tear Strength – Single Rip ASTM D 751 method B, DIN 53356, ISO 4674/B		39 / 44 [lbs]	180 / 200 [N]
Adhesion (HF Welding) ASTM D 751, ISO 2411, BS 3424		20 / 20 [lbs/inch]	180 / 180 [N/5 cm]
Puncture Resistance Fed. Std. 101C:2031		176 [lbs]	800 [N]
Working Temperature ASTM D 2136, DIN 53361, ISO 4675		158°F to -40°F	70°C to -40°C
Weft Distortion (on 60 inch widthwise) ASTM D1336, ISO 13015, Fed. Std. 191A:5060		≤ 1.6 [inch]	≤ 40 [mm]
Flame Resistance ISO 3795 - FMVSS 302		≤ 2.76 inch/min	≤ 70 mm/min
Taber Abrasion ASTM D 3389 / Taber H-22 Wheel 1 Kg load		<125 mg/1000 cycles >1200 cycles to expose the fabric	
Blocking Resistance BS 3424, ASTM D 751 / 70°C (160°F) 6 hrs.		# 1	

PROP 65: The product does not require a warning label in accordance with 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.