

PRODUCT SPECIFICATION

CoolGuard[®] MPK80

1.0 BASE FABRIC

1.1	Base Fabric Weight	2.7	oz/yd ²	(92	g/m ²)
1.2	Fiber	Polyester / Knit			

2.0 COATED FABRIC

2.1	Total Weight (nominal)	80	oz/yd ²	(2,720	g/m ²)
2.2	Thickness (±10%)	80	mils	(2.03	mm)
2.3	Coating Type	Polymer Alloy			
2.4	Coating Distribution	50 / 50			
2.5	Sealing Properties	<u>X</u>	Dielectric	<u>X</u>	Thermal

3.0 MATERIAL PROPERTIES (minimum)

	<u>Standard</u>	<u>Metric</u>	ASTM TEST METHODS
3.1 Tensile Strength, Grab			
Warp (MD)	250 lbs	1,110 N	D751A
Fill (TD)	200 lbs	890 N	
3.2 Tensile Strength, 1" Strip			
Warp (MD)	130 lbs	578 N	D751B
Fill (TD)	120 lbs	534 N	
3.3 Tear Strength, Tongue			
Warp (MD)	40 lbs	178 N	D751B (mod)
Fill (TD)	30 lbs	133 N	
3.4 Puncture, Flat Tip	95 lbs	423 N	D4833
3.5 Puncture, Ball	350 lbs	1,560 N	D751
3.6 Puncture, Pyramid	200 lbs	890 N	FTMS 101C, 2031
3.7 Hydrostatic Resistance	350 psi	2.41 MPa	D751-A
3.8 Dimensional Stability (180°F/1 hr)	2 % max	2 % max	D1204
3.9 Ply Adhesion	20 lbs/2 in	89 N/5 cm	D751 (mod)
3.10 Low Temp Bend	-20 °F max	-29 °C	D2136
3.11 Abrasion Resistance (H18/1kg)	10,000 cycles	10,000 cycles	D3885
3.12 Dead Load Seam Strength	100 lbs @ 70°F	445 N @ 21°C	D751
	50 lbs @ 160°F	222 N @ 71°C	

A variety of standard widths and colors are available. Contact Cooley Engineered Membranes for details.

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