

**PRODUCT SPECIFICATION**

**CoolGuard HRL45**

**1.0 BASE FABRIC**

1.1	Base Fabric Weight	8	oz/yd <sup>2</sup>	(270 g/m <sup>2</sup> )
1.2	Fiber / Style	Polyester / Leno		

**2.0 COATED FABRIC**

2.1	Thickness (±10%)	45	mils	(1.14 mm)
2.2	Total Weight (nominal)	40	oz/yd <sup>2</sup>	(1,310 g/m <sup>2</sup> )
2.3	Coating Type	Ethylene Terpolymer PVC Alloy		
2.4	Coating Distribution	50 / 50		
2.5	Sealing Properties	<u>X</u>	Dielectric	<u>X</u> Thermal

**3.0 MATERIAL PROPERTIES (Minimum)**

**Standard**

**Metric**

**ASTM TEST METHODS**

		<u>Standard</u>	<u>Metric</u>	ASTM TEST METHODS
3.1	Tensile Strength, Grab			
	Warp (MD)	625 lbs	2,780 N	D751A
	Fill (TD)	600 lbs	2,670 N	
3.2	Tear Strength, Tongue			
	Warp (MD)	120 lbs	534 N	D751-B (Mod)
	Fill (TD)	120 lbs	534 N	
3.3	Puncture, Flat Tip	220 lbs	979 N	D4833
3.4	Puncture, Ball	1,000 lbs	4,450 N	D751
3.5	Puncture, Pyramid	475 lbs	2,110 N	FTMS 101C, 2031
3.6	Hydrostatic Resistance	800 psi	5.52 MPa	D751-A
3.7	Dimensional Stability (212°F/1 hr)	2.0 % max	2.0 % max	D1204
3.8	Ply Adhesion	30 lbs/2 in	133 N/5 cm	D751 (Mod)
3.9	Thermal/R.F. Adhesion	20 lbs/in	35 N/cm	D751
3.10	Low Temp Bend (1" mandrel)	-40 °F max	-40 °C max	D2136

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

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## **Revision History**

- ❖ 4/19/05 – Changed description from “PVC” to “Ethylene Terpolymer PVC Alloy”.
- ❖ 10/20/05 – Updated to match HRL36 spec.