

**PRODUCT SPECIFICATION**

**CoolGuard<sup>®</sup> HRL60**

**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%)	60	mils	(1.52 mm)
2.2	Total Weight (nominal)	55	oz/yd <sup>2</sup>	(1,870 g/m <sup>2</sup> )
2.3	Coating Type	Ethylene Terpolymer PVC Alloy		
2.4	Coating Distribution	50 / 50		
2.5	Sealing Properties	<input checked="" type="checkbox"/> Dielectric	<input checked="" type="checkbox"/> Thermal	

**3.0 MATERIAL PROPERTIES (Minimum)**

**Standard**

**Metric**

**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	Tensile Strength, 1" Strip					
	Warp (MD)	120	lbs	534	N	D751B
	Fill (TD)	120	lbs	534	N	
3.3	Tensile Elongation					
	Warp (MD)	25	%	25	%	D751B
	Fill (TD)	25	%	25	%	
3.4	Seam Shear Strength					
	Warp (MD)	560	lbs	2,490	N	D751
	Fill (TD)	540	lbs	2,400	N	
3.5	Ball Tip Puncture	1,000	lbs	4,450	N	D751
3.6	Pliability (1" mandrel)	-40	°F max	-40	°C max	D146
3.7	Cold Crack (1" mandrel)	-40	°F max	-40	°C max	D2136
3.8	Permeability (unleaded gasoline)	0.3	fl-oz / ft <sup>2</sup> per day max			D814

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

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