

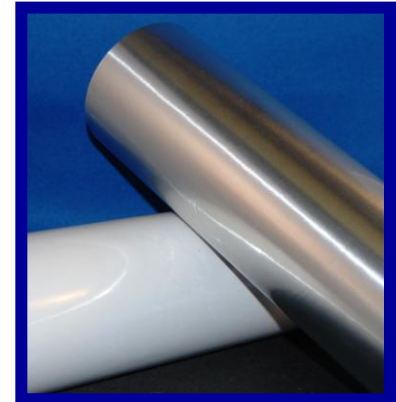
HC 1000 Vapor Barrier

PRODUCT DATA SHEET



CONSTRUCTION

Substrate: Polyester/Aluminum Composite:
Polyester: 0.00048 in (12.2 microns)
Adhesive: Polymeric
Aluminum: 0.001 in (25.4 microns)
Adhesive: Polymeric
Polyester: 0.00048 in (12.2 microns)



FEATURES

- Tough, flexible vapor barrier
- Excellent weathering and UV resistance
- Offers good protection from corrosive attack and physical abuse
- Silver

TYPICAL USES

- Mid-layer secondary vapor barrier
- Primary vapor barrier under a protective jacket

TYPICAL PROPERTIES

Test	Typical Values (english)	Typical Values (metric)	Test Method
Basis Weight	23.0lbs/1000ft ²	112.6g/m ²	Scale
Total Thickness	0.0023-in	0.0635-mm	PSTC-133
Tensile Strength	30-lbs/in	135-N/25mm	ASTM D828
Elongation	57% - MD 71% - CD		ASTM D882-02
Water Immersion	No Delamination	No Delamination	24 hrs @ 73°F (23°C)
Permeance	0.00-perm	0.00 ng/m ² AsA Pa	ASTM E96-A
Mold and Mildew Resistance	No growth of organisms	No growth of organisms	ASTM C1338
Burst Strength	>150-psi	>10.0-kg/cm ²	ASTM D774
Humidity Resistance	Pass	Pass	ASTM C1258
Melting Point Polyester	482°F	250°C	
Low Temperature Limit	Stays Flexible No Delamination	Stays Flexible No Delamination	ASTM D1790 -40°F (-40°C)
High Temperature Limit	Stays Flexible No Delamination	Stays Flexible No Delamination	4 hrs @ 240°F (116°C)
Surface Burning Characteristics	15 Flame 35 Smoke	15 Flame 35 Smoke	UL 723* ASTM E 84
Emittance	Both Sides 0.57		
Continuous Operating Temperature	-20°F - 150°F	-28.9°C to 65.5°C	

**Tested in accordance with UL 723*

APPLICATION

Application surface must be clean, dry and free of contaminants.

SHELF LIFE & STORAGE

Under ideal storage conditions of 60°F to 80°F and low humidity, shelf life is one year from date of purchase.

Physical and performance values and characteristics shown above are obtained through recommended test procedures. The above values do not represent a guarantee of product performance. Values represent nominal and average values; individual roll values may vary from average values indicated on the data sheet. User is responsible for determining suitability and fitness for use. Revision 10.11.2013 09:15.