

TECHNICAL DATA SHEET

ENERGY SAVER™ FABRIC

DESCRIPTION

Type 1070 Vapor Retarder is a premium, low-permeance vapor retarder for thermal insulation.

FABRIC SPECIFICATIONS

Weave	Woven HPDE scrim
Coating	2.0 mil/1.25 mil average (47/29 g/m2/side)
Color	White/gray
Weight	4.4 oz/yd ² (149g/m ²) +/- 5 %
Thickness	Nominal 9 mil (0.22 mm) ASTM D1777

PERFORMANCE PROPERTIES

The following data are typical values based on ASTM and other standard tests. These data should not be considered specification.

CLASSIFICATION

TYPE V AND TYPE VI

Grab Tensile	Warp 130 lb 577 N / Weft 155 lb 510 N
ASTM D-5034	
Strip Tensile (N/5cm)	Warp 95 lb/in (843)/Weft 90 lb/in (799)
ASTM D-5035	
Tongue Tear	Warp 50 lb 222 N / Weft 45 lb 200 N
ASTM D-2261	
Mullen Burst	235 psi 1619 kPa
ASTM D-3786	
Light Reflectance Value	81
ASTM E-1477	
Moisture Vapor Transmission	0.02 perms
ASTM E-96	
Dimensional Stability	Warp -1.0% / Weft -2.0%
ASTM D1204	
Thermal Stability	-20°F No cracks or delamination
ASTM C1263	150°F No cracks or delamination
Surface Burning Characteristics	Flame Spread: 0
UL723 (ASTM E84)	Smoke Developed: 30 (white side exposed)
Elevated Temperature and Humidity Resistance ..	0.02 perms
ASTM C1258	No delamination
Fungi Resistance	No growth (ATCC #'s 9642, 6205, 11797, 11730 and 9643)
ASTM C-1338	
UV Weathering	>50% strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm,
ASTM G154	or 1200 hrs exposure @ 1.35 W/m ² /nm

Please contact your Silvercote Sales Representative for more information at (844) 232-3701 or info@silvercote.com