

TECHNICAL DATA SHEET

# ENERGY SAVER™ FABRIC

## DESCRIPTION

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

## FABRIC SPECIFICATIONS

<b>Weave</b> .....	Woven HPDE scrim
<b>Coating</b> .....	2.0 mil/1.25 mil average (47/29 g/m2/side)
<b>Color</b> .....	White/gray
<b>Weight</b> .....	4.4 oz/yd <sup>2</sup> (149g/m <sup>2</sup> ) +/- 5 %
<b>Thickness</b> .....	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

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

Please contact your Silvercote Sales Representative  
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