

## 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/m <sup>2</sup> /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

#### Grab Tensile

#### Strip Tensile (N/5cm)

#### Tongue Tear

#### Mullen Burst

#### Light Reflectance Value

#### Moisture Vapor Transmission

#### Dimensional Stability

#### Thermal Stability

#### Surface Burning Characteristics

#### Elevated Temperature and Humidity Resistance

#### Fungi Resistance

#### UV Weathering

### TYPE V AND TYPE VI

Warp 130 lb 577 N / Weft 155 lb 510 N

ASTM D-5034

Warp 95 lb/in (843)/Weft 90 lb/in (799)

ASTM D-5035

Warp 50 lb 222 N / Weft 45 lb 200 N

ASTM D-2261

235 psi 1619 kPa

ASTM D-3786

81

ASTM E-1477

0.02 perms

ASTM E-96

Warp -1.0% / Weft -2.0%

ASTM D1204

-20°F No cracks or delamination

ASTM C1263 150°F No cracks or delamination

Flame Spread: 0

UL723 (ASTM E84) Smoke Developed: 30 (white side exposed)

0.02 perms

ASTM C1258 No delamination

No growth (ATCC #'s 9642, 6205, 11797, 11730 and 9643)

ASTM C-1338

>50% strength retention after 2000 hrs exposure @ 0.77 W/m<sup>2</sup>/nm,  
ASTM G154 or 1200 hrs exposure @ 1.35 W/m<sup>2</sup>/nm

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FOR MORE INFORMATION AT (844) 232-3701 OR INFO@SILVERCOTE.COM**