

TYPE 1070

VAPOR RETARDER

INTERTAPE POLYMER GROUP®

TECHNICAL DATA SHEET

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/grey or other colors available
Weight: 4.4 oz/yd² (149g/m²) +/- 5 %

ROLL SPECIFICATIONS

Cores: 4 inch or 5 inch ID.
Width: Up to 156 inches (-0, +1.5)
as ordered.
Length: Minimum 500 yds/roll (457 m);
up to 1000 yds/roll (914m)

These values are typical data and are not intended as limiting specifications.



100 Paramount Drive, Suite 300 | Sarasota, FL 34232 | USA
Customer Service: 800.565.2000
www.itape.com | info@itape.com

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

Thickness

Nominal 9 mil (0.22 mm)

ASTM D177

Grab Tensile

Warp 135 lb 599 N /
Weft 115 lb 510 N

ASTM D5034

Tongue Tear

Warp 50 lb 222 N /
Weft 45 lb 200 N

ASTM D2261

Mullen Burst

240 psi 1653 kPa

ASTM D3786

Puncture Resistance

65 lb 288 N

ASTM D4833

Light Reflectance Value

81

ASTM E1477

Moisture Vapor Transmission

0.02 perms

ASTM E96

Surface Burning Characteristics

Flame Spread: 0
Smoke Developed: 28
(white side exposed)

UL723 (ASTM E84)

Flame Resistance

Pass

NFPA 701
(Large Scale)

Accelerated UV

> 50 % strength retention
after 2000 hrs

Weathering¹

exposure @ 0.77
W/m²/nm, or 1200 hrs
exposure @ 1.35 W/m²/nm

ASTM G154

¹ Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4hrs condensation @ 50°C

While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.

* Note: the result for Puncture Resistance (ASTM D4833) is based on limited testing.

EFFECTIVE: 04/19