

Local Phone: 203-575-9220

## PRODUCT DATA SHEET

Business Hours: 8 am - 5 pm

Toll Free: 1-800-537-7663

2001 Inc.

P.O. BOX 2557 Waterbury, CT 06723-2557  
325 THOMASTON AVE.  
WATERBURY, CT 06702

Emergency Telephone

1-800-255-3924

PDS #1

PDS Date 04/05/04

Supercedes All Previous Publications

Page 1 of 1

PRODUCT NAME AND SYNONYMS: .045 and .060 EPDM REINFORCED

Physical Property	Test Method	SPEC.(Pass)	Standard	FR
Tolerance on Nominal Thickness, %	ASTM D 751	±10	±10	±10
Thickness Over Scrim, min, in. (mm)	ASTM D 4637 Annex	0.015 (0.381)	0.016 (0.406)	0.016 (0.406)
0.045		0.015 (0.381)	0.020 (0.508)	0.020 (0.508)
0.060		0.015 (0.381)		
Weight, lbm/ft <sup>2</sup> (kg/m <sup>2</sup> )				
0.045			0.24 (1.2)	0.27 (1.3)
0.060			0.34 (1.7)	0.39 (1.9)
Color				
Breaking Strength, min, lbf (N)	ASTM D 751 Grab Method	90 (400)	180 (800)	180 (800)
Elongation, Ultimate, min, %	ASTM D 412 Die C	250**	480**	480**
Tearing Strength, min, lbf (N)	ASTM D 751 B Tongue Tear	10 (45)	30 (132)	30 (132)
Brittleness Point, max, deg. F (deg. C)*	ASTM D 2137	-49 (-45)	-60 (-51)	-60 (-51)
Resistance to Heat Aging*	ASTM D 573			
Properties after 4 weeks @240°F (116°C)				
Breaking Strength, min, lbf (N)	ASTM D 751 Grab Method	80 (355)	200 (890)	200 (890)
Elongation, Ultimate, min, %	ASTM D 412 Die C	200**	250**	250**
Linear Dimensional Change, max, %	ASTM D 1204	±1.0	-0.7	-0.7
Hydrostatic Resistance, min Psi (Mpa)	ASTM D751	380(2.6)		
Ozone Resistance*	ASTM D 1149	No Cracks	No Cracks	No Cracks
Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen wrapped around 3 in. mandrel				
Resistance to Water Absorption*				
After 7 days immersion @ 158°F (70°C)				
Change in mass, max, %	ASTM D 471	+8, -2**	2.0**	2.0**
Factory Seam Strength, min	ASTM D 816	Membrane Rupture	Membrane Rupture	Membrane Rupture
Static puncture resistance, lbf (N)	Modified FTM 101C-2031	—		
Resistance to Outdoor (Ultraviolet) Weathering*				
Xenon-Arc, 7560 k.l/m <sup>2</sup> total radiant exposure at 0.70 W/m <sup>2</sup> irradiance, 80° C black panel temp.	ASTM D 4637 Conditions	No Cracks No Cracking	No Cracks No Cracking	No Cracks No Cracking

\*Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

\*\*Specimens to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced product.

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Prepared By: 2001 Inc.