

ram Flash 327 HDR Heavy Duty Elastomeric Sheet

PRODUCT DESCRIPTION

A 60 mil neoprene sheet that is self-extinguishing, impermeable and ozone resistant. Standard material is an uncured sheet. Also available as a cured sheet, ram flash 327 HDR-C.

USES

With **ram-Tough** systems, for flashing and working expansion joints with a total expected movement of fifty percent or less, in accordance with Barrett standard details. For other high stress flashing conditions, consult Barrett. **ram** Flash 327 HDR is also used for some **ram-Tough** 250 heavy duty DM systems.

Physical Properties

<u>Test</u>	<u>Method</u>	<u>Typical Results</u>
Thickness Tolerance, %	ASTM-D-412	±10
Specific Gravity	ASTM-D-297	1.48 ±.05
Tensile Strength min, psi (Mpa)	ASTM-D-412	1500 (10.3)
Elongation, Ultimate min, %	ASTM-D-412	250
Hardness, Curometer, A	ASTM-D-2240	60 ±10
Tear Resistance min, 1 bf/in (kN/m)	ASTM-D-624 (Die C)	120 (21.0)
Brittleness Temperature, max, F(°C)	ASTM-D-746	-30 (-34)

(Cont'd over)

<u>Test</u>	<u>Method</u>	<u>Typical Results</u>
Flame Resistance	ASTM-C-542	Must not Propagate Flame
Resistance to Heat Aging Properties after 70 h at 212 °F		
Hardness Increase max	ASTM-D-573	+10
Tensile Strength min, psi (MPa)		1275 (8.8)
Change in Volume, max after 70 h Immersion in ASTM Oil #3 at 212 °F	ASTM-D-471	+80%
Ozone Resistance	ASTM-D-1149	
Condition after Exposure to 100 pphm Ozone in Air for 100 h at 104 °F (sample under 20% strain)		No Cracks
Resistance to Water Change in Mass, max, after 7 Days Immersion at 158 °F	ASTM-D-471	+10%
Water Vapor Permeability, perm-mils	ASTM-E-96 (Proc B or BW)	21

Physical Characteristics

Color:	Grey-black
Length:	100 lineal feet
Width:	6, 12, 18, 24, 36, 48 inch rolls
Thickness:	.060 inch (60 mils)
Shipping Weight:	approximately 60 lbs per 12 inch roll

-Also available as cured materials

Barrett hopes the information given here will be helpful. It is based on our best knowledge and is believed to be true and accurate. Properties given are typical values and are not specifications unless otherwise stated. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as a recommendation for any use not expressly stated herein.

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