



April 2012

TECHNICAL REPORT DURAFOAM™ 100% EPDM SERIES ULTRAVIOLET EXPOSURE & OZONE RESISTANCE TESTING

TEST PROCEDURE FOR ULTRAVIOLET EXPOSURE:

The Durafoam™ 100% EPDM Series, Expanded Cellular Rubber Sheets, were tested for QUV Ultraviolet Light Exposure. Test specimens for each stock number were cut 3 inches by 11 inches from ¼ inch thick sheets. These test pieces were exposed for 120 hours to a cycle consisting of:

1. Light at 70°C for 8 hours
2. Dark at 50° C for 4 hours
3. Condensation Cooling for 15 minutes

TEST RESULTS:

The following results were obtained. The surface appearance was examined after bending around a 2 inch diameter mandrel.

TEST PROCEDURE FOR OZONE:

The Durafoam™ 100% EPDM Series, Expanded Cellular Rubber Sheets, was tested for Ozone 20% Stress, 72 hrs @ 100 PPHM per ASTM-D-1171-94, ASTM-D-1149-91, GM6086M, GM4486P, GM15743, Chrysler MSAY430, Ty 1, 2, 3, 4, 5.

Sample Description	Color	Linear Shrinkage	Surface Appearance	Color Change from Control	Ozone Test Results – Zero Cracks
C191XLDS	Black	1.7% Max.	No Cracks	None	Pass
P191HD	Black	1.7% Max.	No Cracks	None	Pass
P192HD	Grey	1.7% Max.	No Cracks	None	Pass
P291HD	Black	1.7% Max.	No Cracks	None	Pass
P292HD	Grey	1.7% Max.	No Cracks	None	Pass
P391SHD	Black	1.7% Max.	No Cracks	None	Pass
P392SHD	Grey	1.7% Max.	No Cracks	None	Pass
P493SHD	Black	1.7% Max.	No Cracks	None	Pass
P497SHD	Grey	1.7% Max.	No Cracks	None	Pass
P497SHD Red	Red	1.7% Max.	No Cracks	None	Pass

CONCLUSION: Durafoam™ 100% EPDM Series For The Life of Your Products.

The above test results indicate that the full Durafoam™ 100% EPDM Series has excellent resistance to Ultraviolet Degradation and Ozone Attack. The above tests were performed under controlled laboratory conditions. In actual applications, the customer should determine the suitability of the Durafoam™ 100% EPDM Series for a specific intended use.



ISO CERTIFIED 9001:2008
CERTIFICATE #US08/5033

Have a Technical Question?

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PHYSICAL AND SHOCK ATTENUATION TEST LABORATORY

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