

April 2005

INTRODUCING . . . DURAFOAM™ PMR 150

Black EPDM – Thermoformable

PROPERTIES	TEST METHOD	RESULT
Polymer		EPDM / Polyolefin Blend
Density (approx).	ASTM-D-3575	4.0 pcf approx.
Compression Deflection @ 25%	ASTM-D-1056-00	5 to 9 psi (2A2)
Ozone Resistance, ASTM-D-1171 72 hrs @ 102°F, 100 pphm ozone	ASTM-D-1171	Visual – No Cracks 2X Magnification – No Cracks
Ozone Resistance, ASTM-D-1171 168 hrs @ 102°F, 200 pphm ozone (Limit of test chamber)	ASTM-D-1171	Visual – No Cracks 2X Magnification – No Cracks
Low Temperature, -67°F	ASTM-D-1056-00	No Cracks
Low Temperature, -100°F (Limit of test chamber)	ASTM-D-1056-00	No Cracks
Ultraviolet Testing, 120 hours Light at 158°F for 8 hours Dark at 122°F for 4 hours Condensation Cooling at 15 min.	MRPC	Linear Shrinkage = 6.4% Surface Appearance = No Cracks Color Change = 0.83
Staining, white lacquer panel and aged under sunlamp exposure	ASTM-D-925	24 hours = No Staining 48 hours = No Staining 96 hours = No Staining

High Performance Features

- Softness, stiffness & density infinitely variable.
- High Ozone Resistance.
- High Ultraviolet Resistance.
- Non-Staining.
- Made from Heat Resistant EPDM
- Non-fogging (plasticizer free).
- Dimensionally Stable (Very Low Shrinkage).
- Unique Soft, Supple, Real Rubber Feel.
- Very Fine Cell Structure.
- Thermoformable – deep draw potential
- Can be heat and flame laminated.
- Butt-weldable – Both heat and/or adhesive
- Bonds well to most pressure sensitive adhesives including economy rubber based adhesives.
- Available standard in black.
- Available on special order in custom bright colors.

**THE MONMOUTH RUBBER PMR SERIES
IS A FAMILY OF POLYOLEFIN
METALLOCENE RUBBER
FORMULATIONS, UNIQUE AND
PROPRIETARY TO THE
DURAFOAM™ PROCESS.**

Chemical Resistance

- Acetic acid, dilute, 10%.
 - Acetone
 - Acetylene
 - Ammonia Gas.
 - Animal Oils
 - Boric Acid
 - Butyl Alcohol (butanol).
 - Carboic Acid (phenol).
 - Carbon Dioxide, wet or dry.
 - Castor Oil
 - Critic Acid
 - Copper Sulfate 150°F
 - Ethyl Alcohol (ethanol)
 - Fomaldehyde
 - Hydrogen Gas
 - Linseed Oil
 - Oxygen
 - Potassium Chloride
 - Potassium Hydroxide
 - Soap Solutions
 - Sodium Chloride
 - Sodium Hydroxide (caustic soda)
 - Sodium Peroxide
 - Sodium Thiosulfate (hypo)
 - Sulfur
 - Sulfuric acid, 11-75%
 - Whiskey and wines
 - Zinc Sulfate
- PMR 150 is resistant to many other chemicals in addition to those listed above. Please contact us with your specific requirement.*

MONMOUTH RUBBER & PLASTICS CORP.

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