

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<br>72 hrs @ 102°F, 100 pphm ozone  | ASTM-D-1171    | Visual – No Cracks<br>2X Magnification – No Cracks                               |
| Ozone Resistance, ASTM-D-1171<br>168 hrs @ 102°F, 200 pphm ozone<br>(Limit of test chamber)                                  | ASTM-D-1171    | Visual – No Cracks<br>2X Magnification – No Cracks                               |
| Low Temperature, -67°F   | ASTM-D-1056-00 | No Cracks  |
| Low Temperature, -100°F<br>(Limit of test chamber)   | ASTM-D-1056-00 | No Cracks  |
| Ultraviolet Testing, 120 hours<br>Light at 158°F for 8 hours<br>Dark at 122°F for 4 hours<br>Condensation Cooling at 15 min. | MRPC           | Linear Shrinkage = 6.4%<br>Surface Appearance = No Cracks<br>Color Change = 0.83 |
| Staining, white lacquer panel and<br>aged under sunlamp exposure   | ASTM-D-925     | 24 hours = No Staining<br>48 hours = No Staining<br>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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