Description
High performance water-based single coat adhesive intended for bonding sulfur and peroxide cured NBR and HNBR and other rubber compounds in transportation seal applications.

Benefits & Features
Durable adhesion to a variety of metal and rubber compounds, excellent environmental resistance, improved in-plant process and handling.

Uncured Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Grey</td>
<td></td>
</tr>
<tr>
<td>Solids Content</td>
<td>24 to 26 %</td>
<td>%</td>
</tr>
<tr>
<td>Dry Film Density</td>
<td>1.0 to 1.2 g/cm³</td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>&lt; 1.25 lb/gal</td>
<td></td>
</tr>
<tr>
<td>Viscosity (25°C, Brookfield RVT)</td>
<td>0.020 to 0.15 Pa·s</td>
<td></td>
</tr>
<tr>
<td>Shelf Life (0°C)</td>
<td>&gt; 6 month</td>
<td></td>
</tr>
</tbody>
</table>

Cured Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Expansion</td>
<td>17 %</td>
<td></td>
</tr>
</tbody>
</table>

Elastomer
NBR, HNBR, AEM, ACM rubber compounds.

Substrate
CRS, Phosphate pre-treated CRS, Aluminum, Stainless Steel

Surface Prep
Review Dow’s rubber-to-substrate bonding agent application guide or contact your account manager.

Mix Instructions
Diluents - Deionized or distilled water. Stir MEGUM™ W-7100 before using to assure that the ingredients are uniformly distributed. Do not stir the adhesive so vigorously as to entrain air. This will cause the adhesive to foam and make it difficult to apply. Continue to mix MEGUM™ W-7100 while spraying or dipping to keep the dispersed solids from settling to the bottom. This will assure that a homogenous mixture of the adhesive is applied.

Application Technique
Dip Immersion, Spray and Brush applied

Molding and Curing
Minimum of 240°F to 420°F

Clean-up
Equipment clean up should be done using recommended dilution solvents.

Packaging/Sizes Available
Drums, pails and cans.

Storage & Stability
The shelf life of this material is assured for 24 months (from the date of manufacture) at temperatures below 78oF in an unopened container.

Toxicity and Safety Information
Read the Safety Data Sheet before using this material. Toxicity and safety information is included in the SDS.

Food Contact Applications
Dow Automotive products are not approved for direct or indirect food contact or drinking water applications. If your applications include food contact or drinking water requirements, please contact your Dow representative. For more information on the regulatory status of this product, please refer to the SDS for this product.
**Notes**

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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<table>
<thead>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dark-Grey to Bluish Black</td>
</tr>
<tr>
<td>2</td>
<td>1 gram, 1 hr at 100°C</td>
</tr>
<tr>
<td>3</td>
<td>Brookfield Viscometer, RV #1 at 25°C, 100 rpms</td>
</tr>
<tr>
<td>4</td>
<td>&gt;32°F and &lt; 100°F</td>
</tr>
<tr>
<td>5</td>
<td>Calculated</td>
</tr>
</tbody>
</table>
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b. use in cardiac prosthetic devices regardless of the length of time involved (“cardiac prosthetic devices” include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);

c. use as a critical component in medical devices that support or sustain human life; or

d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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Additional Information

North America

U.S. & Canada: 1-800-441-4369
1-989-832-1426

Mexico: +1-800-441-4369

Europe/Middle East

Italy: +31-11567-2626
+800-783-825

Latin America

Argentina: +54-11-4319-0100
Brazil: +55-11-5188-9000
Colombia: +57-1-219-6000
Mexico: +52-55-5201-4700

South Africa

+800-99-5078

Asia Pacific

+800-7776-7776
+603-7965-5392

www.dowautomotive.com

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