DOWSIL™ 3179 Dilatant Compound

FEATURES & BENEFITS
- Dilatant rheological properties
- High elasticity
- High bounce

COMPOSITION
- Filled silicone polymer

APPLICATIONS
- Primarily for the novelty toy market for use by children to bounce, stretch and snap

TYPICAL PROPERTIES (ALL VALUES IN TABLE)
Specification Writers: These values are not intended for use in preparing specifications.

<table>
<thead>
<tr>
<th>Test</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTM 0176</td>
<td>Color</td>
<td></td>
<td>Coral</td>
</tr>
<tr>
<td>CTM 0517</td>
<td>Rebound</td>
<td>%</td>
<td>70</td>
</tr>
<tr>
<td>CTM 0166</td>
<td>Plasticity</td>
<td></td>
<td>70-105</td>
</tr>
<tr>
<td>CTM 0022</td>
<td>Specific gravity, at 25°C (77°F)</td>
<td></td>
<td>1.10-1.18</td>
</tr>
<tr>
<td>CTM 0495</td>
<td>Slump</td>
<td>inches</td>
<td>0.75</td>
</tr>
</tbody>
</table>

*CTM: Corporate Test Method, copies of CTMs are available on request.

DESCRIPTION
DOWSIL™ 3179 Dilatant Compound is a coral-colored silicone polymer that exhibits high elasticity, high bounce and a unique combination of rheological properties. It offers ease of movement under low mechanical force and yet exhibits excellent resistance to slump or flow when at rest.

HOW TO USE
DOWSIL 3179 Dilatant Compound is designed specifically for the novelty toy market for use by children to bounce, stretch and snap. Its non-slumping characteristic offers an additional dimension to this product. It can be used to mold simple shapes such as cubes, rectangles and pyramids and retain these shapes for weeks, a feature that can expand the scope of this product from the novelty to the educational. This resistance to static flow in combination with ease of manipulation is a feature of DOWSIL 3179 Dilatant Compound.

PERFORMANCE
Cleanup
If DOWSIL 3179 Dilatant Compound is worked into material or carpets, it may be removed by the careful application of 95 percent isopropyl alcohol and repeated blotting or brushing. As with all stain removal, check for colorfastness and resistance to fiber damage before applying isopropyl alcohol to an exposed area of the material.

NOTE: Always provide adequate ventilation when using any volatile solvent. Avoid heat, sparks and open flame. Follow all precaution listed on solvent container label.

HANDLING PRECAUTIONS
PRODUCT SAFETY
INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD
INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

USABLE LIFE AND STORAGE
When stored at or below 40°C (104°F), DOWSIL 3179 Dilatant Compound has a shelf life of 24 months from date of shipment.

PACKAGING INFORMATION
This product is available in different standard container sizes.

LIMITATIONS
This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION
To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

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The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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