



Technical Data Sheet

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.

Test*	Property	Unit	Result
CTM 0176	Color		Coral
CTM 0517	Rebound	%	70
CTM 0166	Plasticity		70-105
CTM 0022	Specific gravity, at 25°C (77°F)		1.10-1.18
CTM 0495	Slump	inches	0.75

*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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