

One Part Neutral Cure Silicone Sealant

TOSSEAL 168

PRODUCT DESCRIPTION

Tosseal 168 is a one component silicone sealant which cures to a high modulus silicone rubber on exposure to atmospheric moisture at room temperature. This product is a neutral cure sealant. In addition to the unique features of silicone rubber such as superior high and low temperatures resistance, water resistance, and outstanding weatherability, Tosseal 168 also provides excellent adhesion to glass, metal and numerous construction materials.

KEY PERFORMANCE PROPERTIES

- One component, ready-to-use sealant
- Neutral cure, no strong smell
- Fast skinning and curing
- Maintains good flexibility
- Excellent adhesion to glass, most metals and plastics
- Available in 7 standard colors:
Clear; White; Gray ; Light Gray; Black; Dark brown; Silver

APPLICATIONS

- General purpose sealant for sealing and caulking applications

TYPICAL PROPERTY DATA

UNCURED PROPERTIES		
Consistency		Paste
Slump (w=20mm) ^{*1}	mm	0
Tack-free time (23°C) ^{*1}	min	10
Curing time (t=5mm, 20°C/55%RH)	days	2
CURED PROPERTIES		
Appearance		Elastic rubber
Hardness (Type A) ^{*2}		20
Tensile strength ^{*2}	MPa	1.6
Elongation ^{*2}	%	360
Peel strength ^{*3}	kN/m	2.8
UV resistance ^{*3}		Excellent

Test Method *1; JIS A 1439

*2; JIS K 6249

*3; ASTM C 794



APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene, or methyl ethyl ketone (MEK). Do not use soap, detergent or water. Wipe the surface dry. Sealant will not properly adhere to a wet substrate. For polycarbonate and acrylic resin, n-hexane should be used in order to prevent solvent-cracking.

HANDLING AND SAFETY

- Wear eye protection when handling uncured sealant as it can irritate eyes. In case of eye contact, immediately flush eyes well with water and contact a physician.
- Adequate ventilation must be maintained in the work place at all times.
- Extended contact with the skin may cause irritation and should be avoided.
- Not for food contact use.

STORAGE

- Store in a cool, dry, dark place.
- Keep out of reach of children.
- Shelf life is 12 months from date of manufacture when stored in original, unopened containers below 25°C in a dry place.

PACKAGING

300 gram e cartridge available in carton box of 24 pieces

COLORS

Available in 7 colors

Clear; White; Gray ; Light Gray; Black; Dark brown; Silver

THE MATERIALS, PRODUCTS, AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS, OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right.

Copyright 2019 Momentive Performance Materials Inc. All rights reserved.
