

ELASTOSIL® A 209

Characteristics

Elastosil® A 209 is a one-component, thixotropic sealant intended for gasketing and sealing applications where resistance to long-life lubricants (such as hypoid gear lubricant) under harsh conditions is required.

Features

- One-component, room temperature cure
- Non-slump, unaffected by shear
- Adheres to most substrates without priming
- Resistant to hot lubricating oils

Specifications

Typical Property values are not intended for use in the preparation of specifications. Please contact Wacker Silicones Corporation for assistance and recommendations before writing specifications on this product.

Use Information

Surfaces to be bonded must be clean, dry and free of oils and grease.

A 209 can be bulk dispensed with conventional drum and pail extruder pumps to feed gasket tracing machines for precise bead placement and material efficiency. Manual applications for repair, short runs or low volume applications may be accomplished with a

Product data

Property	Test Procedure	Value
As Supplied		
Appearance	WSTM-2119	Red Paste
Extrusion Rate, gms/min	WSTM-2304	200
Skin-over Time, min, 25°C, (50% relative humidity)	WSTM-2118	10
Tack-free Time, min, 25°C	WSTM-2118	15
Physicals - As Cured*		
Hardness, Shore A	WSTM-1110	50
Tensile Strength, MPa	WSTM-1228	1.4
Tensile Strength, psi	WSTM-1228	200
Elongation, %	WSTM-1228	175
Continuous Service Temperature, °C	N/A	175
Intermittent Service Temperature, °C	N/A	230
Specific Gravity, 25°C	WSTM-2123	1.56
After Fluid Immersion** (SAE 5-W-30 Motor Oil)		
Hardness, Shore A	WSTM-1118	65
Tensile Strength, Mpa	WSTM-1118	1.4
Tensile Strength, psi	WSTM-1118	198
Elongation, %	WSTM-1118	120
Volume Swell, %	WSTM-1118	2

*Cured 7 days at 25°C and 50% relative humidity.

** Hypoid gear lubricant, 168 hr, 125°C (Chrysler specification MS-5644 lubricant).

pail extruder equipped with a high pressure flexible fluid hose and extrusion gun. Recommended equipment suppliers for transfer systems and dispensing machines will be supplied upon request.

For most gasket applications, a sealant bead of 3 to 4 mm width is sufficient. Assemble parts immediately so that the sealant is spread

Storage and Shelf Life

ELASTOSIL® A 209 has a shelf life of at least 12 months when stored between and 25°C (77°F) in the tightly closed original container.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety and Handling

For specific information regarding safe handling of this material, please refer to the Material Safety Data Sheet.

Ordering Information

Elastosil® A 209 is available in 300 ml. (1.1 lb.) cartridges, 5-gallon (60 lb.) pails and 55-gallon (600 lb.) drums. Orders may be placed directly to:

Wacker Silicones Division
3301 Sutton Road
Adrian, Michigan 49221-9397
Phone: 1 800 248-0063

To speak with a technical representative or for information on other Wacker products call toll free 1 800 248-0063.

Wacker Silicones Corporation is a domestic manufacturer of basic silicone materials for industry. Products include silicone fluids and emulsions, antifoam and release agents, room temperature vulcanizing (RTV) sealants and adhesives, heat curable rubber (HCR), liquid silicone rubber (LSR), masonry water repellents, paint raw materials, paper release coatings, and textile finishes.

Because we cannot foresee the varied conditions under which this information and our materials may be used, we do not guarantee the applicability or accuracy of this information or the suitability of our materials in any specific situation. Samples are provided and users should make their own tests to determine the suitability of our materials for their specific purposes. These materials are provided without warranty, either expressed or implied, of fitness for a specific purpose and nothing herein shall be construed as a recommendation for uses, which infringe valid patents, or as extending a license under valid patents.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

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