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SS-4005

Product Description

SS-4005 is a heat curing, foaming, adhesive silicone rubber developed for shock and dampening rubber applications requiring a lightweight flexible tough low durometer foam product. SS-4005 is a 2-part silicone that when heat cured, allows rapid foaming and curing of parts. SS-4005 works well in manual and automatic dispensing equipment.

Product Features

- Fast 1-10 minute heat cure or optional room temperature cure
- 1:1 mix ratio
- Long open time
- Tough and elastomeric

Typical Applications

- Thermal and radiation resistant rubber parts
- Silicone foam gasket fabrication
- High and low temperature gaskets

Chemical Cure System

Platinum catalyzed, addition cure

Foaming, Adhesive, Heat Cure Silicone Rubber

Typical Properties

Color	Translucent
Viscosity, cps	80,000
Specific Gravity	1.05
Consistency	Thick liquid
Work Time @ RT	90 Minutes
Cure Time @ 150°C	1 to 2 Minutes
Tensile Strength	100 PSI
Elongation	100%
Compression Deflection 30 lbs	60%
Coefficient of Thermal Expansion	20 x 10 ⁻⁵

Handling Precautions

This is a platinum cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Solids

98% solids, contains no solvents

Adhesion

This product offers primerless adhesion to plastics, metals and typical substrates.

Limitations

Allow to fully cure before putting assembly into service.

Handling and Safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to the SDS.

Shelf Life

Sealed containers are guaranteed for 12 months from the ship date when stored in a cool dry area below 70°F.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as warranty, either expressed or applied. User shall rely on his/her own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from the use of this product. Manufacturer's sole responsibility shall be to replace that portion of product that the manufacturer proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indirectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding by the manufacturer.

This product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses which implantation within the human body is intended.

*****Customized versions available upon request*****