



TECHNICAL DATA

Xalon FS Electrically Conductive Silicone RTV

Product Description

FS is an electrically conductive, moisture curing silicone RTV. FS is a 1-part silicone that when applied to the substrate allows handling of the assembly after 1 hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperature. FS works well in manual and automatic dispensing equipment.

Product Features

Fast RT Cure
Thixotropic Paste
High Temperature Resistant
Non-Corrosive

Typical Applications

Form In Place Gaskets
Electrically Conductive Sealant
Thermally Conductive Sealant
EMI/RFI Silicone Shielding

Typical Properties

Color	Dark Gray
Viscosity	cps 600,000
Specific Gravity	2.29
Consistency	Thixotropic Paste
Working Time @ RT	15 Minutes
Tack Free Time @ RT	60 Minutes
Application Rate 90 PSI	400 g/min
Cure Time	72 Hours @ RT
Durometer	65 Shore A
Volume Resistivity	0.06 Ohms-cm
Thermal Conductivity	2.5 W/m/K
Conductive Filler	Nickel Graphite

Chemical Cure System

Oxime

Solids

98% solids

Adhesion

Primer less adhesion to most metals and typical substrates

Service Temperature

-45 to 260°C

Limitations

Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Curing

Cure speed can be accelerated with increased humidity and heat to very rapid cure times. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber with electrically conductive properties is formed.

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 6 months from the ship date when stored in a cool dry area below 70°F.

Country of Origin

The Xalon FS is made in the United States of America. Xalon FS meets The Buy American Act.

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.