

VISILOX™

V-711

April 1998

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

VISILOX V-711 is a silica thickened, high molecular weight dimethyl silicone compound. V-711 is a non-curing grease-like paste with a tacky and stiff consistency. V-711 possesses excellent dielectric properties and is useful for protecting and sealing electrical and mechanical equipment. It is also an excellent release agent and lubricant for plastic and rubber parts.

PRODUCT FEATURES AND BENEFITS

- Water repellent
- Non-corrosive
- Non-melting, heat stable
- Release agent for rubber and plastic
- Low volatiles
- High dielectric strength
- Excellent adhesion

TYPICAL APPLICATIONS

- Valve lubricant and sealant
- Rubber and plastic O-rings
- Spark plug wire coating
- Seals for outdoor electrical and mechanical equipment
- Vacuum and pressure seals
- Dash pot damping medium
- Anti-stick and sealant for gaskets
- Chemical barrier coating

TYPICAL PROPERTIES

PROPERTY

Appearance
Penetration (Worked 60X), ASTM D217
Bleed (200°C/24 Hrs), MIL-S-8660C
Evaporation (200°C/24 Hrs), MIL-S-8660C
Dielectric Strength, 50 mil (0.127mm), ASTM D149
Dielectric Constant (1kHz), ASTM D150
Volume Resistivity (ohm-cm), ASTM D257
Dissipation Factor (1kHz), ASTM D150
Specific Gravity
Temperature Range, °C(°F)

TYPICAL VALUE

White-translucent, homogeneous
250
0.25%
1.3%
500 V/mil (19.8kV/mm)
3.0
 2.6×10^{15}
0.007
1.03
-40 to 204 (-40 to 400)

RESTRICTIONS: Do not use with applications involving highly oxidative chemicals such as pure oxygen, nitrates, peroxides or chlorine; strong mineral acids such as sulfuric, hydrochloric or nitric; strongly alkaline minerals such as sodium or potassium hydroxide. Do not use on surfaces to be painted. Do not use as a lubricant for metal to metal surfaces.

FDA COMPLIANCE: The ingredients and ingredient levels in V-711 comply with CFR 178.3570 - lubricants for incidental food contact. FDA compliance DOES NOT mean that V-711 is FDA approved. To be approved, the user must comply with all applicable FDA requirements.

NSF CERTIFIED: V-711 is certified to ANSI/NSF Standard 61 - for water system components for both hot and cold water applications.

NOT FOR PRODUCT SPECIFICATION: The technical data contained herein are intended for reference only and **are not** intended for use in preparing sales specification. For assistance and recommendation on sales specifications for this product, contact RHODIA VSI at (800) 356-7560 or (518) 285-6300.



USAGE GUIDELINES FOR VISILOX™ GREASES AND COMPOUNDS

SAFETY PRECAUTIONS

USE MATERIAL IN ACCORDANCE WITH MATERIAL SAFETY DATA SHEET

Contact with eyes may cause transitory irritation which usually disappears in a few hours. If eye contact occurs, flushing with water for at least 15 minutes will relieve discomfort. If irritation or discomfort persists, obtain medical attention. **Keep product away from children**. To obtain a MSDS for this product, contact RHODIA VSI Customer Service (800) 356-7560.

SHELF LIFE AND STORAGE

Shelf life of this material is six (6) months from date of shipment. Store material in original container in a cool, dry location at 80°F (27°C) or below. Material removed from containers may become contaminated during use. Do not return any material to the original containers. Extended shelf life is probable. Check consistency before use.

CLEAN UP AND REMOVAL

CAUTION: Spilled material will cause slippery conditions. Wipe up and clean spills **immediately** to prevent possible injury by slipping.

This material may be cleaned up and removed with non-polar solvents such as mineral spirits, hexane, toluene, and chlorinated ethanes. It is generally unaffected by polar solvents such as alcohols, ketones, ethers, or water. Make sure that the choice of solvent does not affect the substrate being cleaned.

Whenever solvents are used, proper safety precautions must be observed. It is advisable to consider **ALL** solvents as toxic and use them only in well ventilated areas and wear proper protective equipment such as goggles, gloves, respirators, and protective clothing. Avoid prolonged exposure to solvents. Be aware of their flammability status. Consult applicable OSHA, EPA and other federal, state and local regulations on use and disposal of solvents.

FOR THE NAME OF YOUR NEAREST RHODIA VSI SALES REPRESENTATIVE OR DISTRIBUTOR, AND FOR TECHNICAL ASSISTANCE ON THIS PRODUCT AND OTHER RHODIA VSI PRODUCTS, CONTACT CUSTOMER SERVICE AT (800) 356-7560

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