



Tech Data Sheet

SM1201A

EXTREME LOW TEMPERATURE SILICONE GREASE

PRODUCT DESCRIPTION

SM1201A is a lubricating grease designed for demanding applications where maximum surface contact is required under load and where extremely low temperatures are expected. SM1201A features an application operating range of -150o F to 475o F, low volatility, non-corrosive, plus excellent dispersion and stability. SM1201A is useful as a lubricant in extreme high pressure applications including aircraft and marine, mine fuse parts, low temperature parts and high pressure/low speed parts.

Product Data	
Typical Properties	
Appearance	Yellow
Application Temperature	-150° F to 475° F
Unworked Penetration (240 – 300 range)	260
Worked Penetration (270 min)	280
Evaporation	< 1.5% @ 475° F
Specific Gravity	1.00 - 1.06
Hegman Grind	2.5 mils
Typical Electricals	
Dielectric Strength (50 mil)	615 V/mil
Dielectric Constant (1 kHz)	2.9
Dissipation Factor (1 kHz)	0.0025
Volume Resistivity (Ω-cm)	4.1 X10 ¹⁴

Features & Benefits

- Hydrolytic Stability
- Water Repellent
- Radiation Resistant
- Chemically Inactive
- Non-corrosive
- Chemical & Thermal Resistant
- Dielectric Strength

Applications/Use

- Aircraft / Marine Cable
- Mine Fuse Parts & Electrical Connectors
- Low-temperature moving parts
- High Pressure / Low speed parts

Safety

- IN CASE OF EYE CONTACT, flush immediately with plenty of clean water.
- IN CASE OF SKIN CONTACT, wash thoroughly with soap and water.
- IF SWALLOWED, DO NOT induce vomiting. Consult physician or regional poison control center immediately.
- KEEP OUT OF REACH OF CHILDREN.
- Consult MSDS for further information.

Storage and Shelf Life

Keep container closed and store at room temperature but not exceeding 100°F. SM1201A has a shelf life of 18 months from the date of manufacture/shipment. Keep away from excessive heat.

USERS PLEASE READ

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It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

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