

KSC12028

Electronic Silicone

Description

KSC 12028 is a room temperature curing silicone RTV gel developed for electronic applications requiring a repenetrable self-sealing, silicone gel product. KSC 12028 is a 2-part, 1:1 mix ratio silicone that when mixed at room temperature, cures overnight or when exposed to heat, results in a 15 minute cure.

Technical Features

Appearance	Transparent blue
Viscosity	1000 cps
Specific Gravity	0.98
Consistency	Light liquid
Pot life @ RT	>120 minutes
Cured @ 150°C	12 hours
Dielectric Strength	15 minutes
Dielectric Constant	>10 KV/mm
Dissipation Factor	2.8
Volume Resistivity	0.001
Coefficient of Thermal Expansion	1.0×10^{-5} 1×10^{-3}

Product Features

- Self-sealing over a long life
- Convenient 1:1 mix ratio
- Excellent repenetrability and conformation to plastic, metal and glass
- Chemical Cure System is Platinum catalyzed, addition cure

Typical Applications

- Assemblies requiring inspection with probes
- Electronic component vibration, shock and thermal insulation
- Transparent dielectric insulation
- Dust and moisture protection
- Potting and encapsulation

Solids

98% solids

Limitations

Allow to fully cure before putting assembly into service.

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.

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Instructions for Use

Ensure parts are clean, dry and free from oil and grease.

Dispense product to ensure both sides are flowing freely. Then add mix nozzle to cartridge and purge one nozzle length worth of product to ensure fully mixed product. Dispense product into cavity until fully encapsulated.

Dispensing systems are available for high volume assembly applications. Please contact your Krylex representative for further advice on dispensing solutions.

Storage

Store in a cool area out of direct sunlight. Refrigeration to 5° gives optimum stability.

General Information

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

For safe handling of this product consult the Material Safety Data Sheet.

Notes

The data contained in this data sheet may be reported as typical value and/or range. Values are based on actual test data and area verified on a regular basis.

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