



TSK5421L

Low Temperature Lubricating Silicone Grease

Product Description

TSK5421L is a lithium soap-thickened, methyl phenyl silicone fluid-based grease. It is suited for low-temperature lubrication, and provides resistance to oxidization and washout.

Key Features and Typical Benefits

- Operating temperature range: -60°C to 180°C
- Oxidization resistance
- Water washout resistance
- Good lubricity
- Chemically inactive
- Non-corrosive

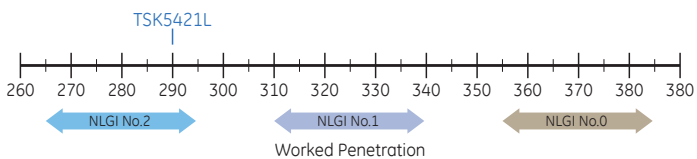
Typical Properties

Appearance		White
Penetration (worked)		290
Bleed (150°C, 24h)	%	4.0
Evaporation (150°C, 24h)	%	0.5
Dropping Point	°C	211
Oxidization Stability (150°C, 100h)	MPa	0.00
Washout Resistance (79°C, 1h)	%	7.0
Copper Corrosion (100°C, 24h)		No Corrosion

JIS K 2220

Typical property data values should not be used as specifications.

Relative Positioning - NLGI Scale



Applications

- Lubrication of motors, pump and fan bearings
- Lubrication for bearings, valves, gears, and seals
- Low torque instruments
- Conveyors in cold operational environments
- Optical equipment
- Lubricant for dynamic pneumatic o-rings and as a seal between rubber and metals parts

Compatibility with Plastics

Substrate	Appearance Change
ABS	No Change
PBT	No Change
PPS	No Change
Polycarbonate	No Change
Nylon 66	No Change
NBR	No Change

Test Method:

Test specimen 80mm x 12mm x 2mm

Procedure:

1. Test specimen is bent into a circular arc of 75mm chord length.
2. TSK5421L is applied on the outside surface of the specimen.
3. The specimen is exposed to 70°C for 250 hours.
4. Appearance of specimen observed.

Note: A preliminary test should be performed prior to use

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product, process, and performance problems; our silanes, fluids, elastomers, sealants, resins, adhesives, urethane additives, and other specialty products are delivering innovation in everything from car engines to biomedical devices. From

helping to develop safer tires and keeping electronics cooler, to improving the feel of lipstick and ensuring the reliability of adhesives, our technologies and enabling solutions are at the frontline of innovation.

TSK5421L Low Temperature Lubricating Silicone Compound

Handling and Safety

- Wear eye protection and protective gloves when handling the product.
- Use the product in a well-ventilated area.

Storage

- Store in a dark, cool place out of direct sunlight.
- Keep out of reach of children.

Shelf Life

- 18 months from date of manufacture when maintained under recommended storage conditions.

Packaging

- 100g bottle available in cases of 20

Local Contacts

Regional Information	Phone	Fax
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