

Technical Data Sheet

PR6603

Low Temperature Silicone Grease

FEATURES

- Resistance to oxidation, moisture and corrosive atmospheres
- Inertness
- Good shear stability
- Wide service temperature range
- Compatible with many plastics

COMPOSITION

- Phenylmethyl silicone oil
- Lithium soap

APPLICATIONS

- Antifriction bearings
- Slide Rails
- Cold room conveyor equipment
- Dryers
- Fan assemblies
- Ball & Socket Connections
- Photographic, optical and surveying equipment
- Starter clutch drives
- Freezer cart casters
- Utility disconnect switch contacts
- Plastic electric clock motors
- Power-factor meters, watt-hour meters, Maximum-demand meters
- Windshield wiper motor gears
- Oscillographs and geophysical and instruments
- Light, low-torque instruments
- O-Ring lubricant for paintball guns or markers

PR6603 Low Temperature Silicone Grease is formulated with a silicone base oil and lithium soap thickener available in light and medium consistencies - NLGI Grades #1 and #2. This material was designed to protect metal/metal surfaces as well as plastic and rubber substrates. It is an excellent product to lubricate anti-friction bearings as well as plastic and rubber parts.

TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact PremierRepak, Inc. for assistance in preparing a specification.

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Color	Visual	Off White
Base Oil		Silicone
Thickener		Lithium Soap
NLGI Grade	ASTM D 217	#1 - #2
Specific Gravity @25°C	DIN 51 817	1.05
Bleed%, (200°C /24hrs)		< 2.5%
Evaporation%, (200°C /24hrs)		< 2.0%
Penetration, unworked	ASTM D 217	280
Dropping Point	ASTM D 2265	220°C
Four Ball Weld, load	ASTM D 2266	390
Max D _n Value (Bore Size in mm x rpm)	ASTM D 2266	300,000
Service Temperature Range		-100 to 190°C
Corrosion (Copper Substrate)	ASTM D 1743	No effect

CERTIFICATION

PR6603 is NSF H-2 rated.

LIMITATIONS

PR6603 should not be applied to surfaces that are to be painted or used with highly loaded ferrous metal bearing combinations, especially where sliding friction is encountered.

PACKAGING

PR6603 is available in 150g tubes; 400g grease cartridges; 3.6kg pails; 18.1kg pails and 180kg drums.

Special packaging and private labeling available upon request.