

SPGA

Special Plastic Grease - Adhesive

DESCRIPTION

SPGA is a synthetic grease offering good low temperature performance and excellent compatibility with thermoplastics, including ABS and Polycarbonate. It has been formulated to a harder consistency (NLGI 3) than its predecessor SPG whilst additionally having a “tacky” adhesive characteristic which vastly improves its resistance to being squeezed out of the “contact zone”.

READ ENTIRE TECHNICAL BULLETIN BEFORE USING THIS PRODUCT

FEATURES AND BENEFITS

- Excellent plastics compatibility; suitable for use with sensitive plastics (testing advised)
- Harder consistency than standard SPG; improved adhesive characteristic to stay in contact zone
- Very efficient mechanical lubricant; ideal for plastic-plastic lubrication
- Excellent at holding components in place during assembly

APPROVALS

Standard	Status
RoHS Compliant (2015/863/EU)	Yes

PRODUCT INFORMATION

For available packaging sizes please visit:

electrolube.com

PHYSICAL PROPERTIES

Category	Results
Typical Properties	
Color	Light Brown
Density (g/mL)	0.9
Temperature Range (°C)	-40 to 125
Evaporation Weight Loss % 7 days @ 125 °C	0.46
Copper Strip Corrosion (IP154 / ISO 2160)	≤ 1b
Drop Point (IP32 / ISO 2176 (°C))	>250
Cone Penetration Worked (ASTM D217, 60 Strokes @ 20 °C)	250
Cone Penetration Un-Worked (ASTM D217)	
20 °C	200
-40 °C	140
Consistency (NLGI)	3
Fliessdruck (Flow Pressure) (DIN 51805, mbar @ -40 °C)	450
Oil Bleed / Separation (IP121)	5%
Plastic Compatibility	
ABS	Test
PC	Test
Thicker	Clay
UV Trace	Yes
Base Oil Properties	
Base Oil Type	PAO
Base Oil Viscosity (Kinematic Viscosity (cSt))	
40 °C	46
100 °C	7.8
Base Oil Viscosity Index (ASTM D 2270)	139
Pour Point (ASTM 97 (°C))	-57
Flash Point (COC ASTM D 92 (°C))	>200

Category	Results
Mechanical Properties	
4 Ball Wear (mm)	2.425
Weld Load (kgf)	126

APPLICATION GUIDELINES

Depending on packaging type, this lubricant can be applied by one of the following methods (although this list is not exhaustive):

Manually by way of a syringe

Semi-automated using syringe dispensing

Fully automated by way of a follower/pusher plate with dispensing system

TYPICAL PRODUCT APPLICATION

SPGA has been formulated to ensure compatibility with plastics and metals commonly used in the manufacture of electrical switches. It is particularly recommended as an assembly aid in switch manufacture (montage grease). It is also ideal to reduce wear in timers and other plastic/plastic friction points (e.g., photocopiers) and as a damping grease to improve the “feel characteristics” of switches.

ADDITIONAL INFORMATION

Shelf Life: 36 Months

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

CONTACT INFORMATION

To confirm this document is the most recent version, please contact

TechnicalSupportTeam@hkw.co.uk

www.electrolube.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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