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HVG High Voltage Grease

HVG is a synthetic grease, developed for use on high voltage/high current circuit breaker switchgear contacts to significantly reduce wear and arcing. The product has good low temperature performance and good plastics compatibility, although testing is always advised. HVG can also be used as a mechanical lubricant for metal interfacing surfaces.

- Developed for high voltage/high current applications; ideal for circuit breaker switchgear
- Good plastics compatibility; testing of sensitive plastics is advised
- Stable over a wide temperature range; low oil bleed even at elevated temperatures
- Dramatically reduces arcing and wear; good mechanical lubrication

Approvals RoHS-2 Compliant (2011/65/EU): Yes

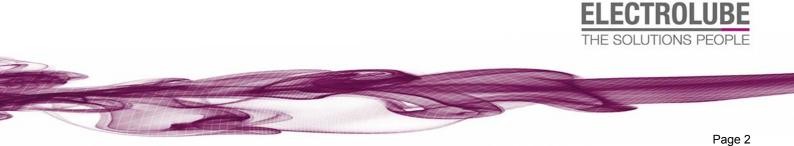
Typical Properties					
Colour	Cream				
Density (g/ml)	0.995				
Temperature Range (°C)	-35 to +130				
Vapour Pressure (Torr @ 20°C)	0.001				
Evaporation Weight Loss (% 7 days @ 100°C)	0.57				
Copper Strip Corrosion (IP154 / ISO 2160)	≤1b				
Drop Point (IP32 / ISO 2176 (°C))	>200				
Cone Penetration Worked (ASTM D217, 60 strokes @ 20°C)	320				
Cone Penetration Un-worked (ASTM D 217 @ 20°C)	300				
Cone Penetration Un-worked (ASTM D 217 @ -40°C)	230				
Consistency (NLGI)	1				
Fliessdruck (Flow Pressure) (DIN 51805, mbar @ -40°C)	320				
Oil Bleed / Separation (IP121)	5%				
Silver Corrosion (DIN 51759, 3hrs @100°C)	No Change				
Plastic Compatibility - ABS	Test				
Plastic Compatibility - PC	Test				
Thickener	Lithium Complex Soap				
UV Trace	No				

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Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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Base Oil Pro	perties				
	Base Oil Type		Po	oly Alkylene Glycol	
	Base Oil Viscosity @ 40°C (Kinematic Viscosity (cSt))			235	
	Base Oil Viscosity @ 100°C (Kinematic Viscosity (cSt))			40	
Base Oil Viscosity Index (ASTM D 2270)				210	
Pour Point (ASTM D 97 (°C))				-37	
Flash Point (COC ASTM D 92 (°C))				>200	
Description	Packag	ing <u>Or</u>	der Code	<u>Shelf Life</u>	

500g Bulk

High Voltage Grease

Typical Product Applications

HVG has been developed for applications such as the sliding and fixed contacts of isolator switches. Thorough testing is advised under actual applications conditions before committing to full scale production.

HVG500G

Revision 1: Oct 2013

72 months

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