



JETEXINDIA

JETEX HVG 1000 Silicone Compound

Technical Data Sheet

Stiff, non melting silicone grease compound for use as a valve lubricant and sealant

Benefits

- Wide service temperature range from -40°C to + 200°C
- Very good oxidation resistance
- Completely resistant to water, steam, humidity and corrosives
- Low Vapor pressure and low volatility
- Compatible with plastics, rubbers, elastomers, and other gasketing and O-ring seal materials
- Prevents age hardening, stress cracking and maintains resilience of plastics
- Non gumming, non melting and non toxic
- Provides good lubricating and sealing properties for rubbers and plastics
- Chemically inert and resistant to most chemicals, hot and cold water, vegetable and mineral oils, dilute acids and alkalis, glycerin, ethanol, methanol, butane, steam, natural gas, ethylene glycol, most organic and inorganic chemicals and aqueous solutions.

Available Packaging

- 1 kg
- 5 kg
- 20 kg

Shelf Life

24 months from date of manufacture in sealed condition.

Applications

- Lubricant for O-rings, packings, rubbers, gaskets, miniature bearing seals to provide resistance to water, chemicals, oxidation and provide thermal stability
- Lubrication of pneumatic control valves, fire extinguishers and water softener valves
- Sealant and lubricant for glass joints and stopcocks in normal as well as high vacuum systems
- Lubricant for pressure lubricated plug valves, flow meter bearings, ceramic plug cocks
- Sealant for vacuum and pressure systems
- Sealant between synthetic rubber or plastic parts to prevent them from sticking to in vacuum or pressure systems
- Chemical barrier and resistant coating for chemical processing equipment
- Damping media for dash pots in electrical and electronic equipment
- Assembly agent for holding rubbers and other parts due to its highly tacky nature
- All ingredients comply with regulations for food grade materials

Methods of Application

Apply by means of hand, brush or putty knife. Can also be dispersed in solvents like mineral spirits, xylene or methyl ethyl ketone for thinning the consistency and making it easier to apply by brushing, dipping or spraying. Do not mix with other oils or grease.

JETEX INDUSTRIES

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www.jetexindia.com



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Technical Properties

Parameter	Value	Unit	Standard
Type	Silicone compound		
Appearance	Smooth stiff consistency grease		
Base oil	Silicone		
Thickener	Inorganic		
Color ¹	White, translucent		
Penetration, - Unworked	180-210	mm/10	ASTM 217
- Worked, 60 strokes	200-220		
NLGI Consistency	3	Class	DIN 51 818
Density, @ 25°C	1	g/cm ³	
Drop point	None	°C	ASTM D 566
Service temperatures	-40 to +200	°C	
Water resistance, static evaluation	0-90		DIN 51 807 pt.1
Evaporation loss, 24h, 200°C	2 max	%	
Oil separation, standard test - 168 h, 40°C	<3.5	%	DIN 51 817
Bleed, 24h, 200°C	<0.1 max	%	

1. Minor Color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.