



Shanghai Jichuan Trading

Keramik-Paste (Ceramic Paste)

DESCRIPTION

Ceramic Paste is a partially synthetic, metal-free universal paste which has been formulated for the most demanding applications. The combination of a partially synthetic base oil, a mature additive technology and the most state-of-the-art solid lubricants from the area of high-tech ceramics have produced a high-performance paste for universal use.

PROPERTIES

- prevents seizing and cold welding
- prevents stick-slip behaviour even for high surface pressures
- very stable in the presence of hot and cold water as well as most acids and alkalis
- does not attack any known sealing materials
- very high load-carrying capacity
- prevents brake noise
- non-toxic

TECHNICAL DATA

Colour	: white	
Basis	: synthetic oil/mineral oil	
Thickener	: inorganic thickeners and light solid lubricants	
Density at 20 °C	: 1.42 g/cm ³	
Drop point	: none	
Operating temperature range	: approx. -40 °C to +1,400 °C	
Unworked penetration	: approx. 340	
Base oil viscosity 40 °C	: approx. 100 mm ² /s	
<u>Tests with mixed friction</u>		
Four-ball test/weld force	: 3800/4000 N	DIN 51 350.4
Friction numbers		
- thread	: 0.10	DIN 946
- Press-fit test	: 0.08	LFW-4 no stick-slip
SRV (cylinder/plate; 450 N, 1.000 µm, 50 Hz, 2h)		
- Friction number	: 0.10 - 0.13	
- depth of wear	: 0.3 µm	
<u>Corrosion protection tests</u>		
Salt-spray test	: 500 h	DIN 50021

APPLICATION

Used for lubricating all types of high-load sliding surfaces. Used especially for low slide speeds and/or oscillating movements and for screw, plug-in and bayonet connectors made from steel and non-ferrous metals.
Separation of components subject to heat stress, such as internal combustion engines, turbines and motor vehicle brake systems.
Corrosion protection of bolts, pins, studs, flanges, spindles and

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Add: No 1201, Yin Hai Building, Caoxi Road,
Xuhui District, Shanghai

24h Hotline: 15900706965

Website: www.pingyiao.com

Tel: (86) 021-64820099

Fax: (86) 021-64513829

E-mail: info@jichuan.sh.cn



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seatings in refineries, steel and cement works as well as shipping and agricultural engineering.

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