



JADE CHEMICALS

High Temperature EP Grease

(Product Code: JD-WS2-HT)

Range: -20° C (-4° F) to 800° C (1472° F).

Made with High Viscosity Synthetic Base Oil, Tungsten Disulfide particles and Special additives. The Grease has Dropping Point higher than 320°C in the Temperature range -20° C to 800° C.

Technical Specifications:

It has excellent service life, superior stability and excellent load bearing properties.

The Grease has:

- Lowest Coefficient of Friction compared to other High Temperature Grease
- Excellent Extreme Pressure (EP) properties due to Tungsten Disulfide (WS₂) particles. Load bearing property of Tungsten Disulfide is @ 300,000 psi.
- High resistance to water, rust and a humid environment.
- Excellent mechanical stability under high shear.
- EP properties and strong resistance to abrasion means the grease is ideal for high load and impact load applications.
- Ideal properties for Bearing Grease application.

Test	Typical Data	Test Method
Cone Penetration (NLGI class)	#0, #1, #2	ASTM D217, GB/T269
Infiltration Degree (0.1mm)	310-340, 259-265, 220-250	ASTM D217, GB/T269
Dropping Point (°C)	> 320° C	ASTM D2265, GB/T3498
Oil separation on steel net (100°C, 24 h) %	< 0.3	ASTM D1742-94, SH/T0324
Corrosion (T2 Sheet Copper, 100°C, 24 h)	No Color Change (Copper sheet does not turn green or black)	ASTM D4048, GB/T7326(II)
Evaporation Loss (150°C, 22 h) %	< 0.4	ASTM D972-02, SH/T0337
Water Washout (38°C, 1 h) %	< 3.5	ASTM D1264, SH/T0109
Four-ball Test PB(N)	$\geq 800 \times 9.8$ $\geq 114 \times 9.8$	ASTM D2596-97, GB/T3142
Coefficient of Friction	0.015	
Free Alkali NaOH %	< 0.05	SH/T0329

- High dropping point which means it does not solidify at higher temperatures.