



TECHNICAL DATA SHEET

OMNITEMP[®] HIGH TEMPERATURE GREASE

Whitmore's Omnitemp[®] is specifically formulated to withstand the rigorous effects of high temperatures. Its non-melting base ensures that it remains in service when other greases would melt and/or run out. Omnitemp[®] offers unmatched protection when high temperatures are a consideration. This is of benefit to industries involved in the production of paper, glass, brick and ceramics, as well as power generation, metal producing and processing,

While high temperatures will not cause Omnitemp[®] to melt out of the bearing, care should be taken to provide adequate relubrication. Inadequate replenishment will lead to drying and hardening.

Maximum DN Factor: 50,000
Ideal Operating Range: 150-300°F (66-149°C)
Upper Limit: 400°F (204°C)
(with frequent relubrication)
Appearance: Dark Gray, Smooth, Buttery

To calculate the DN factor of a bearing, use the following:
DN factor = dm x rpm
Where dm = (inside diameter in millimeters + outside diameter) ÷ 2.

BENEFITS:

- **OXIDATION INHIBITION** - fortified with antioxidants to resist hardening and thermal breakdown.
- **SEALS OUT DIRT AND CONTAMINANTS** - forms a protective barrier which reduces wear.
- **NON-DROP BASE** - will not melt and/or run out.
- **CONTAINS SOLID LUBRICANTS** - solid film lubricant plates out on metal surfaces to reduce metal-to-metal contact.
- **CORROSION INHIBITED** - protects against rust and corrosion.

APPLICATIONS:

Omnitemp[®] is recommended for the lubrication of bearings, bushings and slides that operate at high temperature such as kiln car bearings, oven conveyor bearings, furnace fan bearings, paper mill dryers, corrugators, trunnion bearings, soot blowers, Lehr bearings, and other severe service applications. Highly recommended for hydraulic hammer lubrication.

ASTM #		TYPICAL CHARACTERISTICS	
		1	2
D-217	Grade	1	2
D-217	Cone Penetration (Worked)	310-340	265-295
D-2265	Dropping Point, °F (°C)	None	None
D-2270	Viscosity Index	101	101
D-445	Kinematic Viscosity		
	cSt @ 40°C	500	500
	cSt @ 100°C	32	32
D-2161	Saybolt Viscosity		
	SUS @ 100°F	2,625	2,625
	SUS @ 210°F	160	160
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.50	7.50
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.900	0.900
D-92	Flash Point, °F (°C)	>580 (>304)	>580 (>304)
	Cleveland Open Cup (Base Oils)		
D-1743	Rust Test	Pass	Pass
	Thickener Type	Inorganic	Inorganic
OEM Standard	Low Temperature Pumpability		
	Lincoln Ventmeter @ 400 psi, °F (°C)	0 (-18)	10 (-12)
	Appearance	Gray, Buttery	Gray, Buttery

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Shuttle Tanks	Drums	Kegs	Pails	Cartridges 50 per case
---------------	-------	------	-------	---------------------------

THE WHITMORE MANUFACTURING COMPANY

930 Whitmore Drive • P.O. Box 9300 • Rockwall, Texas 75087 • USA • (972) 771-1000 • Fax: (972) 722-2108
An ISO 9001, ISO/TS 16949, and ISO 14001 Registered Company • <http://www.whitmores.com>

Performance Under Pressure Since 1893

LIMITED WARRANTY: The Whitmore Manufacturing Company makes the Limited Express Warranty that at the date of delivery, its goods shall be free from defects in Whitmore's materials and workmanship and shall meet the express written statements of quality, if any, made by Whitmore in connection with the sale of the goods. Other than such Limited Express Warranty, there are no express warranties made with respect to the sale of goods and all implied warranties existing under the law are expressly disclaimed and negated, particularly, Whitmore NEGATES AND DISCLAIMS THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. All other liability, either in contract or tort, including without limitation, strict liability found in Section 402A of the Restatement of Torts or otherwise, is negated and disclaimed. The sole remedy for Whitmore's breach of such Limited Express Warranty shall be a refund of the purchase price of its goods, and Whitmore shall have no responsibility for incidental or consequential damages sustained as a result of the use of the goods, whether sustained to the goods themselves or to other property. Data listed are subject to usual manufacturing variations.