



TECHNICAL DATA SHEET

OMNITASK[®] EXTREME PRESSURE GREASE

Omnitask[®] grease is designed for heavily loaded operations in the lower speed range and in all situations where high load, shock load, and high vibrations can lead to premature component wear.

To an extremely effective EP package, Whitmore has added graphite and molybdenum disulfide (MoS₂). The combination of high base oil viscosity, EP package, and solid lubricants provides synergies that assure maximum protection from wear and seizure under the most difficult conditions.

High performance synthetic polymers make these greases cohesive and adhesive, resisting pound-out and sling-off under shock load.

The polymer additives in Omnitask[®] cause the excess grease to form a collar or ring around the bearing seal, shutting out dust and moisture. This is especially true of Omnitask[®] TK, which contains a larger portion of polymers.

The aluminum complex thickening agent allows for use at elevated temperatures. Oil bleed at high temperatures is minimized.

These greases are not for use on bearings having a high-speed factor (DN).

BENEFITS:

- **WATER RESISTANT** - allows longer service life while protecting against rust and corrosion.
- **EXTREME PRESSURE ADDITIVES** - protects against shock loads, welding and scoring.
- **FORMS PROTECTIVE BARRIER** - seals out dirt and contaminants to reduce wear and extend lubricant life.

APPLICATIONS:

Use Omnitask[®] grease in applications where high load, shock load, contamination, or high temperatures are involved.

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|-------------------------|---------------------------------|
| Steel Mill Work Rolls | Paper Machine Wet Section Rolls |
| Crusher Bearings | De-watering Press Bearings |
| Paper Machine Rolls | Belt Conveyor Pulley Bearings |
| Bucket Wheel Excavators | |

For central lubrication systems, use Omnitask[®] EP. Do not use Omnitask[®] TK on central systems.

ASTM #		TYPICAL CHARACTERISTICS		
		EP 1	EP 2	TK 2
D-217	Cone Penetration (Worked)	310-340	270-300	270-300
D-566	Dropping Point , °F (°C)	>480 (>249)	>480 (>249)	>480 (>249)
D-445	Kinematic Viscosity (Finished Product)			
	cSt @ 40°C	662	662	1,918
	cSt @ 100°C	24	24	41
D-2161	Saybolt Viscosity (Finished Product)			
	SUS @ 100°F	3,450	3,450	10,700
	SUS @ 210°F	124	124	202
Gardner Method	Density , lb/gal @ 60°F (15.5°C)	7.60	7.60	7.60
D-2596	Specific Gravity , g/cc @ 60°F (15.5°C)	0.913	0.913	0.913
	Four Ball EP			
	Weld Point, kg	400	400	400
	Load Wear Index	60	60	60
D-2266	Four Ball Wear			
	Scar Width, mm	0.60	0.60	0.60
D-4049	Water Spray-Off , % Loss	<12	<5	<5
D-1264	Water Washout , % Loss	<10	<5	<5
D-4048	Copper Strip Corrosion for Greases	1B	1B	1B
(Modified)	212°F (100°C) @ 3 hrs			
	Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex
OEM	Low Temperature Pumpability			
Standard	Lincoln Ventmeter @ 400 psi, °F (°C)	20 (-7)	25 (-4)	40 (4)
	Texture	Tacky	Tacky	Tacky
	Operating Range , °F (°C)	0 (-18) to 400 (204)	0 (-18) to 400 (204)	30 (-1.1) to 400 (204)
	Solid Lubricants	MoS ₂ & Graphite	MoS ₂ & Graphite	MoS ₂ & Graphite
	Maximum DN Factor	--	200,000	100,000

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
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