



UNIVERSAL MIZAR 400 SERIES

Universal Mizar 400 Series lubricants have been specifically designed for industrial and construction applications where load and atmospheric operating conditions create extreme pressure and high temperatures. A polar agent has been added to increase the adhesive and cohesive qualities so, even in severe conditions, Mizar adheres to metal and resists separation.

Universal Mizar 400 Series lubricants provide high oxidation stability, anti-foam properties and effective rust and corrosion resistance. These characteristics ensure proper lubrication and extend machinery life.

Universal Mizar 400 Series lubricants are suited for a wide variety of industrial and mobile equipment applications, including enclosed gear systems, chain drives, sprockets, plain and anti-friction bearings and slide guides. They are also suited to the lubrication of a variety of gears, including spur, bevel, herring bone and worm design. They can handle the lubrication of industrial hypoid gears where speed, temperature and load are not too high.

<u>PROPERTY</u>	<u>ASTM TEST</u>				
	<u>METHOD</u>	<u>402</u>	<u>403</u>	<u>445</u>	<u>407</u>
Viscosity @ 40°C, cSt	D445	68.0	100.2	199.5	460.0
Viscosity @ 100°C, cSt	D445	8.53	11.08	18.80	30.35
Viscosity Index	D2270	95	95	96	95
Flash Point, COC, °C	D92	216	224	229	260
Flash Point, COC, °F	D92	420	435	445	500
Pour Point, °C	D97	-29	-20	-15	-9
Pour Point, °F	D97	-20	-5	5	15
Color	D1500	3.0	3.5	4.0	6.0
Gravity, °API	D287	29.5	28.0	27.5	26.8
Texture		Stringy	Stringy	Stringy	Stringy
Steam Emulsion Test		100-600	100-600	100-600	100-600
Pin-type Weeks Test, psi, min.		390,000	390,000	390,000	390,000
Stick Slip Test		0.770	0.770	0.770	0.770
Timken OK Load, lbs.	D2509	60	60	60	60
Copper Strip	D130	1a	1a	1a	1a
FZG Gear Test-Stages Passed		12	12	12	12
4-Ball Wear-Scar dia,mm	D2266	0.30	0.30	0.30	0.30

Meets or exceeds the following tests and requirements:
 American Gear Manufacturers Association (AGMA) - 250.04

IO-3/10.15.96