

NYE RHEOTEMP 500

EP Fortified

A sodium complex soap thickened, light viscosity, ester grease intended for high speed ball bearing applications. Exceptional wide temperature performance.

The SmartGrease Company

Lubricant Properties			Typical Value	Test Method
Recommended Service Range (°C)			- 54 to 175	
Thickener			Sodium Complex Soap	
Base Oil (Synthetic Oil 590)	Туре		Ester	
	Kinematic Viscosity cSt (mm ² /s)	100°C	8.9	ASTM D-445
		40°C	51	
		-40°C	25,500	
	Viscosity Index		155	ASTM D-2270
	Flash Point (°C)		230	ASTM D-92
	Pour Point (°C)		- 55	ASTM D-97
Typical P	roperties of the Greas	e		
Color, Appearance			Blue-Black, Smooth	7
Penetration 1/10 mm	Unworked		260	ASTM D-217
	Worked	60 X	300	
		10,000 X	-	
		100,000 X	>400	
	NLGI Grade		1.5	
Density	gm/cc	25°C	0.96	ASTM D-1480
Dropping Point (°C)			202	ASTM D-2265
Oil Separation	22 hours	135°C	11.4 %	FTM 791B, 321.2
Evaporation	24 hours	100°C	1.5 %	ASTM D-972
Water Washout	60 minutes	80°C	7.25 %	ASTM D-1264
Copper Corrosion	24 hours	100°C	Passes	ASTM D-4048
4 Ball Wear	60 min., 1200 RPM	75°C	0.45 mm	- ASTM D-2266
	40 kg. load	150°C	0.43 mm	
Low Temperature	erature Starting Torque		8,732	
Torque (-40°C)	Running Torque	10 minutes	2,330	ASTM D-1478
gm-cm	Running Torque	60 minutes	1,150	
Oxidative Stability	168 hours	100°C	68 kPa	ASTM D-942
Bearing Rust Test			-	ASTM D-1743
Apparent Viscosity				
Vapor Pressure		25°C	2 x 10 ⁻⁷ torr	

The typical properties shown on this product data sheet should not be used as a basis for preparing specifications. Refer to our product Material Safety Data Sheet for detailed safety information. (0306)

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