



DONNELLY BROS INC

Suppling your Molding needs

A stiff, PTFE thickened, medium viscosity, completely fluorinated grease possessing very wide temperature capability, excellent plastic and elastomer compatibility and resistance to aggressive chemicals.

HT 500 High Temperature Grease

Lubricant Properties			Typical Value	Test Method
Recommended Service Range (°C)			- 20 to 250	
Thickener			PTFE	
			PFPE	
Base Oil (UniFlor 8610)	Type		PFPE	ASTM D-445
	Kinematic Viscosity cSt (mm ² /s)	100°C	33	
		40°C	345	
		-40°C	-	
	Viscosity Index		136	ASTM D-2270
Flash Point (°C)		None, Non-Flammable	ASTM D-92	
Pour Point (°C)		- 25	ASTM D-97	
Typical Properties of the Grease				
Color, Appearance			White, smooth	
Penetration 1/10 mm	Unworked		230	ASTM D-217
	Worked	60 X	239	
		10,000 X	-	
		100,000 X	-	
NLGI Grade		3		
Density	gm/cc	25°C	1.88	ASTM D-1480
Dropping Point (°C)			Non-melting	ASTM D-2265
Oil Separation	22 hours	150°C	3 %	FTM 791B, 321.2
Evaporation	22 hours	150°C	0.3 %	ASTM D-972
Water Washout	60 minutes	40°C	-	ASTM D-1264
Copper Corrosion	24 hours	100°C	-	ASTM D-4048
4 Ball Wear	60 min., 1200 RPM 40 kg. load	75°C	-	ASTM D-2266
		150°C	-	
Low Temperature Torque (-40°C) gm-cm	Starting Torque		-	ASTM D-1478
	Running Torque	10 minutes	-	
	Running Torque	60 minutes	-	
Oxidative Stability	168 hours	100°C	None	ASTM D-942
Bearing Rust Test			-	ASTM D-1743
Apparent Viscosity			17,000 poises	

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. (0212)