NYETORR® 6370EL

Ultrafiltered

A PTFE thickened, medium viscosity, perfluoropolyether grease intended for high vacuum and clean room applications, spacecraft and semiconductor manufacturing equipment. Benefits include very low outgassing with extreme pressure and anti-wear properties.

Lubricant Properties				Typical Value	Test Method
Recommended Service Range			°C	-90 to 250	
Thickener		Type	-	PTFE	
Base Oil			-	PFPE	
	Kinematic Viscosity	100°C	cSt (mm^2/s)	103	ASTM D-445
		40C		362	
Typical Properties of the Grease					
Color, Appearance			-	White, Smooth	
Penetration	Worked	60 x	1/10 mm	285	ASTM D-217
	NLGI Grade		-	2	
Oil Separation	24 h, 100°C		wt %	4.73	ASTM D-6184
Microscopic Particulate Contamination		10-34 µm	particles/ cm^3	400	FED-STD-791D
		≥ 35 µm		0	
Vacuum Stability	24 h, 125°C	TML	wt %	0.063	ASTM E-595 (NASA SP-R-0022A)
		CVCM		0.0006	
Vapor Pressure		25°C	torr	6.29×10^{-16}	NYE-CTM
		200°C		2.96×10^{-06}	
SRV Wear Rate	10 N, 50 Hz, 200°C, 2 mm stroke, 2 h		$\mu m^3/mm$	0.42	ASTM D-5707
4-Ball Wear	1 h, 1200 rpm, 75°C	40 kg_f	mm	0.67	ASTM D-2266
Scuffing Wear Rate		Mixed Film	$\mu m^3/mm$	0.72	NYE-CTM
		Boundary		0.87	
ROF+ Bearing Life	Fr = 100 N, Fa = 200 N, 230°C, 10,000 rpm	L_{50}	h	> 2,200	NYE-CTM
		L_{10}		> 1,600	
Bearing Corrosion	96 h, 52°C, Distilled Water		-	No Corrosion	ASTM D-1743

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. (1805)

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