



# 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	ASTM D-445
			-	PFPE	
Base Oil	Kinematic Viscosity	100°C	cSt (mm <sup>2</sup> /s)	103	
		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 <sup>3</sup>	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 x 10 <sup>-16</sup>	NYE-CTM
		200°C		2.96 x 10 <sup>-06</sup>	
SRV Wear Rate	10 N, 50 Hz, 200°C, 2 mm stroke, 2 h		µm <sup>3</sup> /mm	0.42	ASTM D-5707
4-Ball Wear	1 h, 1200 rpm, 75°C	40 kg <sub>f</sub>	mm	0.67	ASTM D-2266
Scuffing Wear Rate		Mixed Film	µm <sup>3</sup> /mm	0.72	NYE-CTM
		Boundary		0.87	
ROF+ Bearing Life	Fr = 100 N, Fa = 200 N, 230°C, 10,000 rpm	L <sub>50</sub>	h	> 2,200	NYE-CTM
		L <sub>10</sub>		> 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)

Nye Lubricants, Inc. · 12 Howland Road, Fairhaven, MA, 02719, USA · Ph: 1.508.996.6721, Fx: 1.508.997.5285 · [nyelubricants.com](http://nyelubricants.com)

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we cannot guarantee the applicability of this information or the suitability of our products in any individual situation. For the same reason, the products discussed are sold without warranty, express or implied. Statements concerning the possible use of our products are not intended as recommendations to use our product in the infringement of any patent.