



AEROSPACE PRODUCTS: GREASES

Lubricants for aerospace applications are designed for extreme conditions where long life is critical for the success of the mission.





Aerospace Products: Greases

NYE'S CORE RANGE OF SYNTHETIC GREASES FOR AEROSPACE APPLICATIONS.

*Custom formulated greases:
Nye will work closely with you to custom formulate our synthetic greases
developing stiffer or softer versions to meet your application needs.*

Product Name	Temperature Range (°C)	Base Oil Chemistry	Thickener Type	Base Oil Viscosity ASTM D-445 (cSt)			NLGI Grade ASTM D-217	Oil Separation ASTM D-6184 (24 hrs, 100°C)	Evaporation CTM-1 (24 hrs, 100°C)	Vacuum Stability ASTM E-595 (125°C, 7 x 10 ⁻³ Pa, 24 hrs)		Vapor Pressure Knudsen (25°C)	Density (g/cc ³)	SRV Coefficient of Friction & Wear ASTM D-5707 (100N, 50Hz, 1mm stroke, 2 hrs, 40°C)		4-Ball Wear ASTM D-2266 (60 min, 1200RPM, 40 kg load)	Low Temperature Torque ASTM D-1478 (g.cm, -40°C)		Microscopic Particulate Contamination	Dynamic Particle Generation		
				100°C	40°C	-40°C				TML (wt%)	CVCM (wt%)			CoF	Ball Scar		Wear Scar	Starting		10-min run	200 RPM	1200 RPM
Rheolube® 1000-3PB	-50 to 125	Cyclopentane	Sodium Soap	8	53	24,910	2	1.4%	1.9%	1.82	0.208	6.5 x 10 ⁻⁹ Torr	0.89	0.114	0.537 mm	0.51 mm	4,793.8	658.5	10-34 µm < 500 particles/cc, > 35 µm, zero	-	ISO 4	ISO 6
Rheolube® 2000	-45 to 125	Cyclopentane	Sodium Soap	15	110	72,000	2	3.3%	0.10%	2.460	0.729	5.2 x 10 ⁻⁹ Torr	0.89	0.113	0.41 mm	0.38 mm	265.5	126.1	10-34 µm < 500 particles/cc, > 35 µm, zero	ISO 1	ISO 4	ISO 6
Rheolube® 2000-LO	-45 to 125	Cyclopentane	Sodium Soap	15	110	72,000	2	3.3%	0.10%	0.871	0.418	TBD	0.89	TBD	TBD	TBD	TBD	TBD	10-34 µm < 500 particles/cc, > 35 µm, zero			
Rheolube® 2004	-45 to 125	Cyclopentane	Sodium Soap	15	110	72,000	2	0.1%	0.10%	1.870	0.104	8.2 x 10 ⁻⁹ Torr	0.89	0.119	0.51 mm	0.47 mm	4,941.5	778.8	10-34 µm < 500 particles/cc, > 35 µm, zero	-	ISO 4	ISO 6
Rheolube® 2004-LO	-45 to 125	Cyclopentane	Sodium Soap	15	110	72,000	2	0.1%	0.10%	0.772	0.268	TBD	0.89	TBD	TBD	TBD	TBD	TBD	10-34 µm < 500 particles/cc, > 35 µm, zero			
Rheolube® 2000B	-45 to 125	Cyclopentane	Sodium Soap	15	110	72,000	2	5.0%	0.10%	2.120	0.647	5.6 x 10 ⁻⁹ Torr	0.89	0.110	0.40 mm	0.62 mm	2,581.2	601.8	10-34 µm < 500 particles/cc, > 35 µm, zero	-	ISO 4	ISO 6
Rheolube® 2000T	-45 to 125	Cyclopentane	Sodium Soap	15	110	72,000	2	0.7%	0.19%	2.990	1.118	6.8 x 10 ⁻⁹ Torr	0.88	0.111	0.42 mm	0.32 mm	3,584.2	756.5	10-34 µm < 500 particles/cc, > 35 µm, zero	-	ISO 4	ISO 6
Rheolube® 3000-3PB	-10 to 125	Cyclopentane	Sodium Soap	202	2,082	Below Pour Point	2	1.0%	TBD	TBD	TBD	TBD	0.89	TBD	TBD	0.69 mm	TBD	TBD	TBD			
Fluorocarbon Gel 1000F	-50 to 150	Cyclopentane	PTFE	8	53	24,910	2	1.3%	0.22%	1.587	0.401	TBD	1.1	0.111	0.45 mm	0.60 mm	840.8	287.6	N/A			
NyeTorr® 6200	-45 to 150	Cyclopentane	PTFE	15	108	77,000	1	3.5%	0.00%	0.058	0.025	TBD	TBD	0.124	0.46 mm	0.54 mm	TBD	TBD	10-34 µm < 300 particles/cc, > 35 µm, zero	ISO 1	ISO 4	ISO 5
NyeTorr® 6300	-65 to 250	PFPE	PTFE	56	187	5,818	2	4.8%	0.02%	0.036	0.006	1.3 x 10 ⁻¹⁰ Torr	1.89	0.110	0.68 mm	1.30 mm	221.2	125.5	10-34 µm < 300 particles/cc, max > 35 µm, zero	ISO 1	ISO 4	ISO 5

The typical properties shown on this document should not be used as a basis for preparing specifications.



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ISO 9001:2008
ISO 13485:2003
ISO 14001:2004
ISO/TS-16949:2009

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