

Raremax AF-1

Raremax AF-1 is refined mineral oil based urea grease designed for the use in wheel bearings. Excellent fretting prevention and good performance even under extreme (high-temperature and high-speed) conditions.

Typical Property

		Operating Temperature: -20°C ⇔ 170°C	
Test Item		Test Method	Raremax AF-1
Thickener		—	urea
Base oil		—	mineral oil
Base oil kinematic viscosity @100°C,	mm ² /s	ASTM D 445	9.3
Appearance		—	light yellow, buttery
Worked penetration		ASTM D 217	300
Dropping point,	°C	ASTM D 566	min. 260
Copper strip corrosion (100°C x 24h)		ASTM D 4048	no colour change
Evaporation loss (99°C x 22h),	mass%	ASTM D 972	0.50
Oil separation (100°C x 24h),	mass%	ASTM D 1742	4.2
Oxidation stability (99°C x 100h),	kPa	ASTM D 942	15
Worked stability		FTMS 791-313	367
Water wash-out (79°C x 1h),	mass%	ASTM D 1264	2
Leakage tendency	(104°C, 6h), g	ASTM D 1263 (Mod.)	0.2
	(150°C, 6h), g		0.9
Low-temperature torque @-20°C, mN•m	starting	ASTM D 1478-63	170
	running		38
Rust prevention in bearing (52°C x 48h)		ASTM D 1743-73	#1
Fretting wear,	mg	ASTM D 4170 (Mod.)	0.0

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