

AF-100

Industrial multi-purpose grease

Description

The AF-100 is a superior quality multi-purpose grease with ANTIFRICTION TREATMENT which outperforms lithium, aluminum and polyurea base standard greases of the same viscosity.

Characteristics and Benefits

The AF-100 unique formulation includes such elements as:

- Overbased calcium sulfonate complex;
- Superior quality mineral base oil;
- PROLAB'S ANTIFRICTION TREATMENT.

Its exclusive PROLAB formula makes it reach an exceptional level of performance: it reduces friction, protects against rust, corrosion and oxidation, provides greater heat, moisture, wear and load resistance and enhances mechanical stability.

The superior qualities of the AF-100 grease are not affected by temperature variations. Notable benefits from the use of the AF-100 grease include less frequent lubricating jobs and substantial savings on maintenance costs. Available in NLGI grades 0, 1, and 2, PROLAB's AF-100 can be used all year-round.

Types of Application

The AF-100 is a must for every type of business, no matter what the size or the nature of the operations. It performs best in bearings with a top rotational speed of 3600 rpm.

Directions for Use

Always use AF-100 multi-purpose grease in reference to the equipment manufacturer's manual.

Warning

Whenever performing a grease change, make sure to validate the compatibility of the various greases used (refer to [PROLAB's grease compatibility chart](#)).

Available Sizes

AF-100 Grade 2: 435 g, 17 kg, 55 kg, 180 kg

AF-100 Grade 1: 435 g, 17 kg, 55 kg, 180 kg

AF-100 Grade 0: 415 g, 17 kg, 55 kg, 180 kg

Product Code

299: AF-100 grade 0

298: AF-100 grade 1

297: AF-100 grade 2

Characteristics	ASTM Test	Typical Values AF-100-2	Typical Values AF-100-1	Typical Values AF-100-0
Appearance		Brown	Brown	Red
N.L.G.I. Grade		2	1	0
Viscosity at 40°C	D445	74 cSt	61,3 cSt	36,9 cSt
Viscosity at 100°C	D445	9,3 cSt	8,4 cSt	6,1 cSt
Viscosity Index	D2270	101	106	111
Dropping Point	D2265	318°C	300°C	280°C
Oil Separation at 25°C	D1742	0,2%	0,2%	0,2%
Consistency 60 X	D217	280 (1/10mm)	325 (1/10mm)	370 (1/10mm)
Shear Stability 100,000 X	D217	2,3%	2,1%	2,0%
Shear Stability 10,000 X (50/50 with water)	D217	7,9%	7,5%	8,5%
Roll Stability	D1831	1% max.	3% max.	3,5% max.
Bearing Leak Tendency	D4290	6 SI	n/a	n/a
Oxydation Resistance 1000h	D942	9 psi	9 psi	10 psi
Bearing Life	D3527	100 hrs	100 hrs.	n.d.
4-Ball Wear (75°C, 40 kg, 1200 t/m, 1h)	D2266	0,38 mm	0,40 mm	0,42 mm

Load Wear Index	D2596	62 kg	62 kg	55 kg
Weld Load	D2596	500 kg	500 kg	400 kg
Timken OK Load	D2509	29,5 kg	27,2 kg	25 kg
Rust Preventative	D1743	Pass	Pass	Pass
Water Spray Resistance at 79°C	D1264	3,5%	3,5%	8,0%
Corrosion - Copper Strip	D130	n/a	1b	1b
-40°C Torque	D4693	8,0 Nm	7,0 Nm	5,0 Nm
Salt Fog Corrosion (1 mil d.f.t.)	B117	>300 hrs.	>300 hrs.	>300 hrs.
Oil Separation (100°C, 30 hrs.)	D6184	0,07%	n/a	n/a
Pumpability				
23°C (73°F)		n/a	n/a	n/a
-18°C (0°F)		14,9 gr/min	30,4 gr/min	56,5 gr3min
-23°C (-10°F)		7 gr/min	17,5 gr/min	29 gr/min
-29°C (-20°F)		2,2 gr/min	9,2 gr/min	8,6 gr/min
-34°C (-30°F)		1 gr/min	2,6 gr/min	3 gr/min

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