

FAG Rolling Bearing Grease

Arcanol SPEED2,6

Properties, Bearing grease for low temperatures, high speeds, especially for spindle bearing applications:

Characteristics	Unit	Value	Test method
Classification:		KPHC2/3K-40	DIN 51825
Temperature range:	[°C]	-40 to 120	DIN 51825
Longtime limit temperature:	[°C]	80	
Density:	[kg/dm ³]	0,94	
Specifications:			
Thickener:		lithium complex	
Type of base oil:		synth. oil	
Base oil viscosity at 40 °C:	[mm ² /s]	≥ ISO VG 22	DIN 51562 - 1
Worked penetration:	[0,1 mm]	250-265	DIN ISO 2137
NLGI grade:		2 - 3	DIN 51518
Drop point:	[°C]	≥ 220	DIN ISO 2176
Water resistance:	[Range]	≤ 1-90	DIN 51807 - 1
Corrosion Emcor Test:	[Corr.Grad]	≤ 1	DIN 51802
0,5 % NaCl:	[Corr.Grad]	---	
Copper corrosion after 24 h/100 °C:	[Corr.Grad]	1	DIN 51811
FE8 tests run wear behaviour Running time 500 hours, no failure			
536050MP - 7,5/80-RT	[mg]	vWk50 ≤ 35 mg	DIN 51819
536050TVP - 6000/5-90	[mg]	vWk50 ≤ 35 mg	DIN 51819
FE9 tests run (grease service lifetime)			
A/1500/6000-120	[h]	F50 ≥ 150 h	DIN 51821-02
	[h]	no failure < 100 h	
Low temperature torque			
-50 °C Start / Steady State	[Nmm]	131 / 106	ASTM D1478
Speed range:	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	[mm/min]	2.000.000	200.000

*) not cylindrical roller thrust bearings and spherical roller thrust bearings

This copy is not taken into account by the updating service.

The data are based on actual knowledge at the time of print and refer to the respective test method. Guaranteed properties or warranties cannot be taken over.

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