

FAG Rolling Bearing Grease

Arcanol BIO2

Properties, applications: Biodegradable grease for moderate to high loads, low starting temperatures, wide temperature range, improved relubricatability

Characteristics	Value	Unit	Test method
Temperature range:	-30 to 150	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature	80	°C	
Density:	0.96	kg/dm ³	
Specifications:			
Thickener:	lithium/calcium		
Type of base oil:	ester oil		
Base oil viscosity	at 40 °C:	55	mm ² /s
	at 100 °C:	10	mm ² /s
Worked penetration:	265-295	0.1 mm	DIN ISO 2137
NLGI grade:	2		DIN 51518
Drop point:	> 180	°C	DIN ISO 2176
Water resistance:	0	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802
	with 0.5 % NaCl:	Corr. Grade	
Copper corrosion after 24 h/ °C:		Corr. Grade	DIN 51811
FE8 tests run wear behaviour, Running time 500 hours without failure			
536050MP - 7.5/80-80	vWk50 ≤ 35	mg	DIN 51819
FE9 tests run (grease service lifetime)			
A/1500/6000-120	F50 ≥ 100	h	DIN 51821-02
Speed range:	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min	300,000	200,000

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