

Schaeffler Rolling Bearing Grease

Arcanol TEMP110

Properties, applications: Bearing grease for universal application, moderate to high loads, increased temperatures, low starting temperatures, wide speed factor

Characteristics	Value	Unit	Test method	
Temperature range:	-35 to 160	°C	DIN 51825 / Schaeffler Spec.	
Longtime limit temperature:	110	°C		
Density:	0.9	kg/dm ³		
Specifications:				
Thickener:	lithium complex			
Type of base oil:	part synth oil			
Base oil viscosity	at 40 °C:	130	mm ² /s	
	at 100 °C:	14	mm ² /s	
Worked penetration:	250-295	0.1 mm	DIN ISO 2137	
NLGI grade:	2		DIN 51518	
Drop point:	≥ 220	°C	DIN ISO 2176	
Water resistance:	1-90	Range	DIN 51807 - 1	
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802	
	with 0.5 % NaCl: ≤ 2/2	Corr. Grade		
Copper corrosion after 24 h/120 °C:	≤ 1	Corr. Grade	DIN 51811	
FE8 tests run wear behaviour, Running time 500 hours without failure				
536048 - 1500/10-RT	vWk50 ≤ 35	mg	DIN 51819	
536048 - 75/80-120	vWk50 ≤ 35	mg	DIN 51819	
536050MP - 7.5/80-120	vWk50 ≤ 35	mg	DIN 51819	
536050MP - 7.5/80-80	vWk50 ≤ 35	mg	DIN 51819	
FE9 tests run (grease service lifetime)				
A/1500/6000-150	F50 ≥ 200	h	DIN 51821-02	
	no failure < 100	h		
Low temperature torque				
-35 °C	Start / Steady-state	127 / 82	Nmm	IP 186
-35 °C	Start / Steady-state	79 / 73	Nmm	IP 186
Speed range:	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)	
Speed limit n*dm	mm/min	500,000	250,000	

*) 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.

Edition: 26.09.2019