

Schaeffler Rolling Bearing Grease

Arcanol LOAD460

Properties, applications: Wind energy main shaft bearings, especially for bearings with pin-cage and other large bearings, high loads, low starting temperatures, wide temperature range, excellent water resistance and corrosion protection, False Brinelling, vibrations

Characteristics	Value	Unit	Test method	
Temperature range:	-30 to 130	°C	DIN 51825 / Schaeffler Spec.	
Longtime limit temperature:	80	°C		
Density:	0.93	kg/dm ³		
Specifications:				
Thickener:	lithium/calcium			
Type of base oil:	mineral oil			
Base oil viscosity	at 40 °C:	400	mm ² /s	DIN 51562 - 1
	at 100 °C:	25	mm ² /s	DIN 51562 - 1
Worked penetration:	310-340	0.1 mm	DIN ISO 2137	
NLGI grade:	1		DIN 51518	
Drop point:	≥ 170	°C	DIN ISO 2176	
Water resistance:	≤ 1-90	Range	DIN 51807 - 1	
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802	
	with 1 % NaCl: ≤ 0/1	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 - 75/80-RT	vWk50 ≤ 35	mg	DIN 51819	
FE9 tests run (grease service lifetime)				
B/1500/6000-130	F50 ≥ 200	h	DIN 51821-02	
	no failure < 100	h		
Speed range:	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)	
Speed limit n*dm	mm/min	400,000	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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