

# FAG Rolling Bearing Grease Arcanol TEMP120

Properties, applications: Bearing grease for high temperatures, high loads

Characteristics	Unit	Value	Test method
Marking:		KPHC2R-30	DIN 51825
Density:	[kg/dm <sup>3</sup> ]	ca. 0,9	
Specifications:			
Thickener:		polyurea	
Type of base oil:		synth. oil	
Temperature range:	[°C]	-30 to 180	DIN 51825
Longtime limit temperature:	[°C]	120	
Base oil viscosity at 40°C:	[mm <sup>2</sup> /s]	ISO VG 460	DIN 51562 - 1
Worked penetration:	[0,1 mm]	265-295	DIN ISO 2137
Drop point:	[°C]	≥ 230	DIN ISO 2176
Water resistance:	[Range]	≤ 1-90	DIN 51807 - 1
Corrosion Emcor Test:	[Corr.Grad]	0/0	DIN 51802
1% NaCl:	[Corr.Grad]	≤ 1/1	
Copper corrosion after 24 h/120 °C:	[Corr.Grad]	≤ 1	DIN 51811
FE8 tests run Wear behaviour		Running time 500 hours, no failure	
536048 - 75/80-RT	[mg]	vWk50 ≤ 30mg	DIN 51819
536050MP - 7,5/80-160	[mg]	vWk50 ≤ 30mg	DIN 51819
536050MP - 7,5/80-80	[mg]	vWk50 ≤ 30mg	DIN 51819
FE9 tests run (grease service lifetime)			
A/1500/6000-180	[h]	F50 ≥ 100 h	DIN 51821-02
	[h]	no failure < 50h	
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	[mm/min]	300.000	150.000

\*) 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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