

## Schaeffler Rolling Bearing Grease

# Arcanol TEMP90

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

Characteristics	Value	Unit	Test method
Temperature range:	-40 to 160	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:	90	°C	
Density:	0.9	kg/dm <sup>3</sup>	
Specifications:			
Thickener:	polyurea		
Type of base oil:	mineral+SHC oil		
Base oil viscosity	at 40 °C:	148	mm <sup>2</sup> /s
	at 100 °C:	15.5	mm <sup>2</sup> /s
Worked penetration:	220-250	0.1 mm	DIN ISO 2137
NLGI grade:	3		DIN 51518
Drop point:	≥ 250	°C	DIN ISO 2176
Water resistance:	0-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802
	with 0.5 % NaCl:	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 - 75/80-100	vWk50 ≤ 35	mg	DIN 51819
536050MP - 7.5/80-100	vWk50 ≤ 35	mg	DIN 51819
536050MP - 7.5/80-80	vWk50 ≤ 35	mg	DIN 51819
FE9 tests run (grease service lifetime)			
A/1500/6000/160	F50 ≥ 200	h	DIN 51821-02
	no failure < 100	h	
B/1500/6000/160	F50 ≥ 300	h	DIN 51821-02
	no failure < 200	h	
Low temperature torque			
-40 °C	Start / Steady-state	≤1000 / 100	Nmm
			IP 186
Speed range:	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min	700,000	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.

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