

Schaeffler Rolling Bearing Grease XTRA3

Application: Multi Purpose grease for moderate and high loads, wide temperature range.

Characteristics	Unit	Value	Test Method
Marking:		KP3K-10	DIN 51825
Density: (at 20°C)	[kg/dm ³]	0.87	
Specifications:			
Thickener:		Lithium Soap	
Type of base oil:		Mineral oil	
Operative Temperature Range:	[°C]	-10 to 120	DIN 51825
Longtime limit temperature:	[°C]	75	
Base oil viscosity at 40°C:	[mm ² /s]	95 - 115	DIN 51562-1
Base oil viscosity at 100°C:	[mm ² /s]	10.5 - 12.5	DIN 51562-1
Worked penetration:	[0.1 mm]	220-250	ISO 2137 / ASTM D217
Drop point:	[°C]	≥ 180	IP396/ASTM D2265
Water resistance:	[Range]	≤ 1-90	DIN 51807 - 1
Corrosion Emcor Test:	[Corr. Grad]	0/0	DIN 51802
Corrosive effect on copper		≤ 1 a	ASTM D4048
Copper corrosion after 24h/120 °C:	[Corr. Grad]	≤ 1-100	DIN 51811
FE8 tests run Wear behaviour 536050MP - 7.5/80-80	[mg]	Running time 500hr, no failure vWk50 ≤ 35 mg	DIN 51819
FE9 tests run (grease service lifetime) B/1500/6000-120	[h]	L ₅₀ ≥ 100 h no failure < 80 h	DIN 51821-1
Speed Range:	Unit	Rolling Bearings*	
Speed limit n*dm	[mm/min]	500,000	

* Excludes cylindrical roller thrust bearings and spherical roller thrust bearing