

70-85 LUBRICATING METAL PASTE

Description	Lead-free lubricating and assembly paste. Dry lubricating film above 200 °C		
Composition	Mineral oil, solid lubricant		
Operating temperature range	°C	-30 to > 1000	
Colour	anthracite		
Texture	homogenous		
Drop point, DIN ISO 2176	°C	approx. 200	
Worked penetration, DIN ISO 2137, at 25 °C	0.1 mm	300 - 330	
Unworked penetration, DIN ISO 2137, at 25 °C	0.1 mm	290 - 320	
Apparent dynamic viscosity at 25 °C, shear rate 300 s⁻¹ equipment: Haake	mPas	3600 - 5000	
Flow pressure, DIN 51807/ at 0 °C / at - 30 °C	mbar	approx. 130 / approx. 1000	
Water resistance, DIN 51807/1 (basis) 24 hours / 90 °C	rating	0 - 90	
Copper corrosion, DIN 51811, after 24 hours / 150 °C	rating	1 - 150	
Oil separation, FTMS 791 C 321 (basis) after 30 hours / 150 °C	% by wt	approx. 10.0	
Four-ball EP test, welding force DIN 51350 Pt 4	N	approx. 6000	
Four ball EP test, wearing rate DIN 51350 Pt 5,	mm	approx. 0.60	
1 hour / 150 N	mm	approx. 0.90	
1 hour / 400 N			
Density at 20 °C	g/cm ³	approx. 1.09	
Tannert sliding indicator, stick slip friction coefficient		no stick slip 0.15 - 0.18	
Pressfit tester, friction coefficient		approx. 0.24	
Solid lubricant particle size		> 5.0 to < 30.0	
Screw test at 670 °C			
tightening torque	Nm	45	
release torque	Nm	68	