

TECHNICAL DATA SHEET

VOLTALEF® GREASE 90

Grease 90 is a mixture of VOLTALEF oils of determined qualities, thickened by means of one gelling containing amorphous silica (to be avoided in the presence of silica, acid hydrofluoric, liquidate fluorinated, alkalins).

These greases have very good lubricating properties and resist heat well, with washings with water at with the chemical reagents.

MAIN APPLICATIONS

- Lubricants

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Thickener agent	amorphous silica		
Worked penetration	220-280	10E-1 mm	ISO 2137
Dropping point	150	°C	ISO 2176

MECHANICAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Test on Shell bearing	no change in penetration		
Mean Hertz load, Shell extreme pressure machine	100	kg	

THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Evaporation, after 120h at 100°C (212°F)	2.2	%	
Norma-Hoffmann oxidation, 268h, 100°C (212°F), 7,7 kg/cm2 (112 psi), O2	no pressure drop		ISO 4263
Vapour pressure, at 25°C (77°F)	<10E-3	mm Hg	

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Apparent density	1.5		
Service temperature	0-170	°C	
Oil separation, after 120h at 100°C (212°F)	2.2	%	WL-791-321-1
Oil separation, after 120h at 150°C (300°F)	7.9	%	WL-791-321-1
Stability in water, 10 minutes	no opacity		MIL-6-3.278
Copper corrosion, 1h at 100°C (212°F)	no stain		WL-791-5-309-1
Color	translucent white		ASTM D217-48

VOLTALEF® GREASE 90

PACKAGING

- Available packaging:
- 100 g / 0.22 lb tube
 - 500 g / 1 lb pail