

**MANUFACTURER OF TECHNICAL AEROSOLS AND PRODUCTS FOR INDUSTRY
PROCESSES - MRO - MAINTENANCE
ALTERNATIVE SOLVENTS 100% SAFE**

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**ANTI-SEIZE COPPER PASTE
GREASE FOR VERY HIGH TEMPERATURES
ASSEMBLY, INSTALLATION, REMOVAL
ELECTRO-CONDUCTIVE COPPER GREASE
ANTI-CORROSION, RESISTS ACIDIC ENVIRONMENTS
COMPLIES WITH SPECIFICATIONS
MIL A 907 ED - STM 7411 A
SECLF 216 - MIL A 907 E 80
iBiotec NEOLUBE® METAL 1100**

DESCRIPTION

Grease for the assembly of static assemblies subject to high temperatures and aggressive environments. Enables disassembly. Dynamic lubrication of assemblies while operational, subject to oscillations or shearing effects. Effective both in static use and in the presence of vibrations.

Can be used and is effective when applied in thin coats. Product guaranteed free of metalloids and nitrites.

Lubricant and anti-corrosion agent for use at high temperatures. Do not use on surface contacts that may exhibit catalytic coupling.

Do not use on bearings or slow-moving rollers without frequently applying lubricant.

FIELD OF USE

Grease for drill stems, connectors, tools, down-the-hole hammer threads, stainless steel rods.

Low, medium and high-voltage electrical contacts.

Pantographs. Bogie centre plates.

Screwed assemblies at very high temperatures.

Cable glands. Mechanical seals. Impregnation of sealing braids.

Toric seals.

Sliding bearings on hot roll benders.

Turbines. Combustion engines. Compressors. Gas generators.

Foundry ejectors. Curing mould seals.

Furnace hinges. Ingot clamps.

Lubrication of live cables.

Point welding machine jaws.

TYPICAL PHYSICO-CHEMICAL PROPERTIES

PHYSICAL PROPERTIES OF THE GREASE

PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Appearance	Visual	Paste	-
Colour	Visual	Copper	-
Apparent density at 25°C (pycnometer)	NF T 30 020	995	kg/m³
NLGI Class	NLGI National Lubricating Grease Institute	2	Classification
Thickener	-	Inorganic	-
Solid lubricant content	-	Lamellar copper	15%
Penetrability at 25°C Non-worked Worked, 60 strokes Worked, 1,000 strokes Worked, 10,000 strokes Worked, 100,000 strokes	NF ISO 2137 / ASTM 2176	265-295 265-295 265-295 275-305 275-305	1/10° mm 1/10° mm 1/10° mm 1/10° mm 1/10° mm
Dropping point Dropping point if greater than 360°C	NF ISO 2176 / ASTM D 566 ASTM D 2265	>250 -	°C
Impurities > 25 µm > 75 µm > 125 µm	FMTS 791 3005	nm nm nm	nb/ml nb/ml nb/ml

PHYSICO-CHEMICAL PROPERTIES OF THE BASE OIL

PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Characteristics of the base oil	-	Polymer	-
Kinematic viscosity at 40°C Kinematic viscosity at 100°C	NF EN ISO 3104	140 100	k k -q/Æ k k -q/Æ
Acid value (AV)	NF ISO 6618	<0.5	mg KOH/l

PERFORMANCE PROPERTIES

PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Oil separation, 7 days at 40°C (bleeding)	NF T 60 191	0	% of mass
Oil separation, 24 hours at 41 kPa (bleeding under pressure)	ASTM D 1742	<0.8	% of mass
Sulphated ashes	NF T 60 144	<1.0	% of mass
Copper strip corrosion	ASTM D 4048	1b	Rating
Hoffman oxidation	ASTM D 942	<15	psi
Loss by evaporation, 22 hours at 121°C	ASTM D 972	0.0	% of mass
Noack evaporation loss	NF T 60 101 CEC L-40 A-93 ASTM D5800	0.35	% of mass
Elastomer swelling 70h at 212°F	ASTM D 4289.83	<2	Dimensional variation %
Static temperature ranges			

Continuous Peak	-	-30 +1100	°C
Rotation factor	n.d _m	80,000	mm/min ⁻¹
4-ball test	ASTM D 2266 / ISO 20 623		
Wear scar diameter		0.50	mm
Wear load index		4850	daN
TIMKEN Test	ASTM D 2509	45	lbs
EMCOR rust-prevention test			
Dynamic	NF T 60 135	0	Rating
Static	ISO DP 6294/ ASTM D 1743	1	Rating
Resistance to water washout at 80°C	ASTM 1264	<0.5	% of mass

PRESENTATIONS

Aerosol 650 ml



Tin 1 L



Cartridge 430 ml



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