iBiotec®

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

Datasheeet - *Last update: 2025-06-23*

ANTI-SEIZE ALUMINIUM PASTE
GREASE FOR VERY HIGH TEMPERATURES
ASSEMBLY, INSTALLATION, REMOVAL
ENABLES RESOLUTION OF PITTING PROBLEMS
COMPLIES WITH SPECIFICATIONS
MIL A 907 ED - STM 7411 A
SECLF 216 - MIL A 907 E 80
iBiotec NEOLUBE® METAL 900

DESCRIPTION
Facilitates assembly and enables disassembly of components and assemblies subjected to high temperatures or in an aggressive environment. Can be used and is effective when applied in a thin coat.
Excellent dynamic film-forming capacity.
Enables lifetime static surface treatment.
Product guaranteed free from metal salts, metalloids, or nitrites.
Lubricant and anti-corrosion agent for use at high temperatures.
Effective for static use and in the presence of vibrations.
Do not use on bearings or slow-moving rollers without frequently applying lubricant.

FIELDS OF USE
Screwed assemblies, including with the destruction of the thread geometry.
Steam connections. Cable glands. Mechanical seals.
Impregnation of sealing braids. Toric seals.
Sliding bearings on hot roll benders. Overheat gates.
Turbines. Combustion engines. Compressors. Gas generators. Foundry ejectors. Aluminium extrusion (start up before coating). Zamak stripping.
Curing mould seals. Furnace hinges.
Ingot clamps.
Bogie centre plates. Brake callipers.
Point welding machine jaws.

INSTRUCTIONS FOR USE
Shake the aerosol can vertically for a few moments after the ball in the can becomes detached. First degrease the mechanism to be lubricated as needed using Neutralène® V200 aerosol. Spray at a distance of 15 to 25 cm depending on the size of the mechanism.

TYPICAL PHYSICO-CHEMICAL PROPERTIES

PHYSICAL PROPERTIES OF THE GREASE

PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Appearance	Visual	Paste	-
Colour	Visual	Aluminium	-
Apparent density at 25°C (pycnometer)	NF T 30 020	990	kg/m³
NLGI Class	NLGI National Lubricating Grease Institute	2	Classification
Thickener	-	Inorganic	-
Solid lubricant content	-	Graphite/Aluminium	12%
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	l l .r ứ l l .r ứ
Acid value (AV)	NF ISO 6618	0.38	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	<2	% of mass
Sulphated ashes	NF T 60 144	1	% of mass
Copper strip corrosion	ASTM D 4048	1a	Rating
Hoffman oxidation	ASTM D 942	<10	psi
Loss by evaporation, 22 hours at 121°C	ASTM D 972	0	% of mass
Noack evaporation loss	NF T 60 101 CEC L-40 A-93 ASTM D5800	<0.5	% of mass
Elastomer swelling 70h at 212°F	ASTM D 4289.83	<0.8	Dimensional variation %
Static temperature ranges Continuous Peak	 - -	 -20 +900 -20 +1000	 °C °C
Rotation factor	$n.d_m$	80,000	mm/min^{-1}
4-ball test Wear scar diameter Wear load index	ASTM D 2266 / ISO 20 623	 0.60 4000	 mm daN
TIMKEN Test	ASTM D 2509	40	lbs

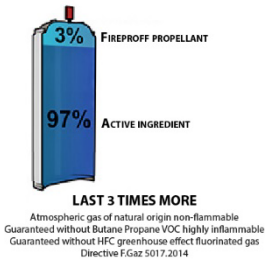
EMCOR rust-prevention test Dynamic Static	 NF T 60 135 ISO DP 6294/ ASTM D 1743	 0 2	 Rating Rating
Resistance to water washout at 80°C	ASTM 1264	<1	% of mass

ADDITIONAL PROPERTIES			
PROPERTIES	**STANDARD OR METHOD**	**VALUE**	**UNIT**
Tightening torque at 20°C	MIL A 907 E 80	80	Newton metres
Loosening torque at 450°C	MIL A 907 E 80	85	Newton metres
Loosening torque at 750°C	MIL A 907 E 80	100	Newton metres

* not measured or non-measurable

PRESENTATIONS

Aerosol 650 ml



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