

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

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COMPLEX LITHIUM GREASE

ULTRA HIGH PERFORMANCE

**SPECIALLY SUITED FOR SIMULTANEOUS HIGH TEMPERATURES
AND HEAVY LOADS**

**TEMPERATURE STABILITY AT A PEAK TEMPERATURE OF +250°C
CONVEYOR BELTS, OVEN COMPONENTS, DRYER COMPONENTS**

**THERMAL PROCESSING COMPONENTS, REACTION COMPONENTS, POLYMERISATION COMPONENTS
APPLICATION OF SPRAYED POWDER COATINGS, BRAKE SYSTEMS**

iBiotec NEOLUBE® GR 230

DESCRIPTION

High-performance green grease, particularly well-suited for prolonged use at high temperatures.

NEOLUBE® GR 230 has natural adhesive properties and is fully resistant to centrifugation.

NEOLUBE® GR 230 is insoluble in water. This grease is recommended for use on equipment operating in extremely challenging load conditions; it provides particularly excellent resistance on any mechanisms subject to strong shearing effects, recurrent impacts or vibrations.

AREAS OF USE

Lubrication of power transmissions, chains, rollers, tensioners, bearings subject to very high temperatures:

Drying kilns for paintings and plasterwork, gypsum plaster boards.

Flash epoxy industrial painting workshops.

Thermal processing, reaction and pyrolysis furnaces.

Braking systems, decelerators.

Textile tentering machines.

Glass-wool production lines.

Film stretching.

Hollow or plate glass production.

Foundries, steelworking.

TYPICAL PHYSICO-CHEMICAL PROPERTIES

PHYSICAL PROPERTIES OF THE GREASE			
PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Appearance	visual	Smooth	nm
Colour	in	Green	nm
Apparent density at 25°C (pycnometer)	NF T 30 020	0.880	kg/m³
NLGI Class	NLGI National Lubricating Grease Institute	2	Classification
Thickener	-	Complex lithium	-
Solid lubricant content	-	Without	%
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	265-295 265-295 265-295 265-295 $\Delta \leq 30$	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	0 0 0	nb/ml
PHYSICO-CHEMICAL PROPERTIES OF THE BASE OIL			
PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Type of base oil	-	Polymer	-
Kinematic viscosity at 40°C Kinematic viscosity at 100°C	NF EN ISO 3104	130 120	mm²/s mm²/s
Acid value (AV)	NF ISO 6618	< 1	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	1	% of mass
Sulphated ashes	NF T 60 144	2	% of mass
Copper strip corrosion	ASTM D 4048	1a	Rating
Hoffman oxidation	ASTM D 942	<30	psi
Loss by evaporation 22 hours at 121°C	ASTM D 972	0.1	% of mass
Noack evaporation loss	NF T 60 101 CEC L-40 A-93 ASTM D5800	0.2	% of mass
Elastomer swelling 70h at 212°F	ASTM D 4289.83	1.5	Dimensional variation %
Temperature ranges Continuous Peak	- -	-20 + 230 -20 + 250	°C °C
Rotation factor	n.d _m	200,000	mm/min ⁻¹
4-ball test Wear scar diameter Wear load index	ASTM D 2266 / ISO 20 623	0.52 3150	mm N

TIMKEN Test	ASTM D 2509	45	lbs
EMCOR rust prevention test			
Dynamic	NF T 60 135	0-1	Rating
Static	ISO DP 6294/ ASTM D 1743	1	Rating
Resistance to water washout at 80°C	ASTM 1264	5	% of mass

* not measured or non-measurable

PRESENTATIONS



Tin 1 L



Cartridge 430 ml



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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS Consulter la fiche de données de sécurité.

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