

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

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iBiotec® NEOLUBE® AL 160

**WHITE GREASE WITH A HIGH PERFLON CONTENT®
NSF H1-CERTIFIED LUBRICANT FOR AGRO-FOOD INDUSTRIES
HIGH FILM FORMING CAPACITY, EXTREME PRESSURE,
ANTI-WEAR, ANTI-CORROSION
EXCELLENT RESISTANCE TO WATER SPRAY AND STEAM
LONG-LASTING LUBRICANT FOR MECHANICAL COMPONENTS
WITH A HIGH NUMBER OF OPERATING CYCLES**

DESCRIPTION

Clean grease, odourless, flavourless, for the lubrication of any open mechanisms in agro-food and clean industries.

High solid lubricant content with a high film-forming capacity.

Specially developed for the lubrication of mechanical components subject to significant vibration and shearing effects. Long-lasting lubrication.

In aerosol form for use on moving mechanisms or parts.

FIELDS OF USE

Conventional geared transmissions, straight gearing, cylindrical gears, worm gears.

Information transmission, cams, tappets.

Guide systems, columns, slide rails.

Pumps, valves, block or gate valves.

TYPICAL PHYSICO-CHEMICAL PROPERTIES

PHYSICAL PROPERTIES OF THE GREASE			
PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Appearance	visual	smooth, viscous	nm
Colour	in	white	nm
Apparent density at 25°C (pycnometer)	NF T 30 020	920	kg/m ³
NLGI Class	NLGI National Lubricating Grease Institute	2	Classification
Thickener	-	Inorganic	-
Solid lubricant content	-	PTFE 10µ	10%

Penetrability at 25°C	NF ISO 2137 / ASTM 2176	265-295	1/10° mm
Non-worked		265-295	1/10° mm
Worked, 60 strokes		265-295	1/10° mm
Worked, 1,000 strokes		285-315	1/10° mm
Worked, 10,000 strokes		290-320	1/10° mm
Worked, 100,000 strokes			
Dropping point	NF ISO 2176 / ASTM D 566	Without	°C
Dropping point if greater than 360°C	ASTM D 2265	Infusible	
Impurities	FMTS 791 3005		
> 25 µm		0	nb/ml
> 75 µm		0	nb/ml
> 125 µm		0	nb/ml

PHYSICO-CHEMICAL PROPERTIES OF THE BASE OIL

PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Type of base oil	-	Mineral	-
Kinematic viscosity at 40°C	NF EN ISO 3104	100	mm ² /s
Kinematic viscosity at 100°C		70	mm ² /s
Acid value (AV)	NF ISO 6618	0.0	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	4	% of mass
Sulphated ashes	NF T 60 144	0.1	% of mass
Copper strip corrosion	ASTM D 4048	1a	Rating
Hoffman oxidation	ASTM D 942	5	psi
Loss by evaporation 22 hours at 121°C	ASTM D 972	6	% of mass
Noack evaporation loss	NF T 60 101 CEC L-40 A-93 ASTM D5800	7.5	% of mass
Elastomer swelling 70h at 212°F	ASTM D 4289.83	2	Dimensional variation %
Temperature ranges			
Continuous	-	-20 +160	°C
Peak	-	-20 +170	°C
Rotation factor	n.d _m	150,000	mm/min ⁻¹
4-ball test	ASTM D 2266 / ISO 20 623		
Wear scar diameter		0.68	mm
Wear load index		2150	N
TIMKEN Test	ASTM D 2509	35	lbs
EMCOR rust prevention test			
Dynamic	NF T 60 135	1	Rating
Static	ISO DP 6294/ ASTM D 1743	1.5	Rating
Resistance to water washout at 80°C	ASTM 1264	7	% of mass

* not measured or non-measurable

INSTRUCTIONS FOR USE

Shake the spray can vertically for a few moments after the ball in the can becomes detached.
Spray at a distance of 15 to 25 cm depending on the size of the mechanism to be lubricat



Aerosol 650 ml



Diffusers, extenders, hoods, capsules,
Blue covers, identifiable and recognizable



PROPELLANT OF NATURAL ORIGIN,
INERT, NON-FLAMMABLE,
NON-COMBUSTIBLE, FOOD-SAFE.
UNLIMITED AVAILABILITY.
3 %

ACTIVE INGREDIENT CONTAINED
IN THE AEROSOL.
NUMBER OF USES
97 %

iBiotec Patent 904 0 1968 4



**Product suitable for agro-food industries (IAA)
 Consistent with an HACCP approach or method
 Risk analysis, Critical issues for risk management
 ISO 22000 CODEX ALIMENTARIUS**

NSF category:

H1 lubricant: can be used in areas in which food is manufactured. Can be used as a lubricant, anti-corrosion agent, non-stick agent for tank door hinges, lubricating grease for equipment in areas with potential contact with foodstuffs.

iBiotec® Tec Industries® Service
 Z.I La Massane - 13210 Saint-Rémy de Provence – France
 Tél. +33(0)4 90 92 74 70 – Fax. +33 (0)4 90 92 32 32
www.ibiotec.fr

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