

**SILICONE-FREE NON-STICK LUBRICANT MOULD RELEASE  
FOR ELASTOMERS, THERMOPLASTICS, THERMOSETS, COMPOSITES  
SPECIAL FOR POROUS MATERIALS, LOADED, WITH MATERIAL LAMINATION EFFECT  
NON-STICK FOR HOT MOULDS, COMPLEX PARTS  
CERTIFIED NSF H1 FOR THE FOOD INDUSTRY (IAA)  
PAINTABLE, WELDABLE, ALLOWS ALL SUBSEQUENT SURFACE TREATMENTS  
iBiotec® DÉMOPLAST® 780 HT**

## DESCRIPTION

Multi-purpose product as a substitute for silicones in difficult demoulding operations.  
Allows all subsequent coating operations: painting, silk screen printing, or any decoration.  
Colourless, odourless product, with special non-stick properties at interfaces.  
Can also be used as a lubricating agent in clean rooms, and in compression, waterproofing, or surface polishing operations, or as a non-stick for welding spatter.  
Can be used on all materials, such as steel, plastics, elastomers, and wood.  
Can also be used as a surface reactivation agent to inhibit the action of silicones before painting.  
Guaranteed free from CFCs, T111, Dichloromethane, Perchloroethylene, and Trichloroethylene.  
Also free from benzene and aromatic compounds.

## APPLICATIONS

Plastic injection treatment of hot moulds  
2D and 3D extrusion blow moulding, non-stick for complex shapes  
Demoulding of polymers, thermosets and thermoplastics, including elastomers  
Treatment of press platens in paper mills, cardboard mills, wood, abrasive cellulose fibres, recycled products.  
Slip agent for skins on PU cores in automotive manufacturing.  
Non-stick for polyurethane foam.  
Non-stick agent for mouldings, aluminium, ZamaK, lead.  
Demoulding of porous materials with mineral loads.  
Treatment of core boxes in pressure casting.  
Lubrication of guides, high-speed conveyors in the food industry.  
Treatment of cutters, shaping tools for blister packing and shells.  
High-speed stretching of PE films

## TYPICAL PHYSICAL-CHEMICAL PROPERTIES

PROPERTIES	STANDARD or METHOD	VALUES	UNITS
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Appearance	Visual	Fluid	-
Saybolt colour	NF M 07.003 ASTM D 156	+10	value
Smell	Olfactory	No smell	-
Density at 20°C	ISO 12.155	794	g/l
Utilisation temperature range	-	-40°C+200°C	-
Surface tension at 20°C	ISO 6297	25.8	dyne/cm

### ACTIVE SUBSTANCE PROPERTIES

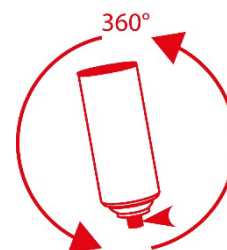
PROPERTIES	STANDARD or METHOD	VALUES	UNITS
Kinematic viscosity at 25°C	NF EN 3104	1300	mm <sup>2</sup> /sec
Self-combustion point	ASTM E 659	>270	°C
Acid index Ia	ISO 6618	0.0	mg/(KOH)/l
Sulphated ash content	NFT 60,144	0.0	%
Impurities content larger than 5 µm	FTMS 791 3005	0	number/ml
Elastomer compatibility Dimensional variation 168 h at 40°C	FTM 791	less than 0.1	%
Environmental properties Bioaccumulation index Octanol/water ratio	OECD 107	less than 3	log kOW
Danger category for water	WGK	Category 1 no danger for water	category

### PRESENTATIONS

Aerosol 650 ml



**"non-flammable propellant "**





Nonfood Compounds  
Program Listed (Category H1)  
(Registration 149309)

Can 20 L

**Product for the food industry (IAA)  
Using an HACCP approach or method  
Analysis of dangers and critical points to control them  
ISO 22 000 CODEX ALIMENTARIUS**

Category NSF:

**H1 lubricant** : usable in food manufacturing areas. Usable as an anti-corrosion agent, non-stick for tank lid seals, lubricant for equipment located in potential food-contact areas.



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Consulter la fiche de données de sécurité.

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