

iBiotec®

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

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iBiotec® DÉMOPLAST® 750

**SILICONE-FREE MOULD RELEASE AGENT,
WITH NON-GREASY FILM**

**NSF H1 CERTIFIED FOR MATERIALS USED IN THE FOOD INDUSTRY
PLASTIC INJECTION MOULD RELEASE
NON-STICK IN LOST WAX FOUNDRIES
MOULD RELEASE FOR COMPOSITES,
FOR COMPRESSION OF PARTICLE BOARD PANELS
PAINTABLE, WELDABLE, ALLOWS ALL SURFACE TREATMENTS
EXCELLENT FINISH AFTER DEMOULDING**

DESCRIPTION

DÉMOPLAST® 750 is a mould release agent for plastics. It allows all subsequent coating operations: painting, silk screen printing, bonding, or any decoration.

DÉMOPLAST® 750 has excellent non-stick and lubrication properties, making it an ideal mould release for all manufacturing processes: injection, extrusion, blow moulding, thermoforming or press moulding.

DÉMOPLAST® 750 facilitates the demoulding of materials such as polyamides, ABS, polyurethanes, epoxies, polyesters, and rubbers.

It leaves a very thin, dry film, which does not run. This leads to:

- Easy demoulding, even for the most complicated shapes;
- An excellent surface finish on the demoulded parts (avoiding surface defects such as roughness, streaks, and wrinkles).

It has no effect on most plastics, rubbers, and metallic surfaces.

DÉMOPLAST® 750 does not cause corrosion on moulds.

DÉMOPLAST® 750 facilitates ejection, eliminates problems such as superficial voids and spider web defects on the surface, and produces very high quality surface finishes without roughness, streaks, wrinkles or stains.

DÉMOPLAST® 750 gives excellent results as a non-stick agent to treat precision casting moulds working with the "lost wax" process.

TYPICAL PHYSICAL-CHEMICAL PROPERTIES

| PROPERTIES | STANDARD or METHOD | VALUES | UNITS |
|-------------------------------|---------------------------|-------------|---------|
| 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 | 905 | 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 ² /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 |

PRESENTATION



**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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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS

Consulter la fiche de données de sécurité.

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