



PRODUCT DATA SHEET



MOLD RELEASE COMPOUND

Mold Release Compound, commonly known as Bel-Ray Release Paste, is a paste-type mold release agent. This industrial **Mold Release Compound** is based on mineral oil with an organo-clay thickener, making it the product of choice for high temperature applications. **Mold Release Compound** is light in color and will not have an effect on the molded pieces. Typically, one application permits multiple molding cycles before reapplication is necessary. **Mold Release Compound** can be applied to molds by brush or its consistency can be reduced with hydrocarbon compounds, making it sprayable.

Applications

- ◆ Release agent for polyester resins, plastic molding such as compression, some injection and transfer molding
- ◆ Lubricant for extruding, calendaring, hot and cold bending, stretch forming, slip forming, drawing, die pressing, veneering, pressure forming, laminating and impregnation, contact lay-up and, matched metal molding
- ◆ A general purpose mold release agent for wet lay-up, resin bonded grinding wheels, casting, glue pots and tanks, protection from glue spray and spray booth walls, etc.

Features and Benefits

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|-------------------------|-----------------------|
| ◆ Organo-clay thickener | High dropping point. |
| ◆ Adhesive | Remains on equipment. |
| ◆ Water resistant | For wet applications. |

General Description

Mold Release Compound is a mineral base oil, paste-type release agent. **Mold Release Compound** has excellent heat stability and it does not slump or sag at temperatures up to 177°C (350°F). **Mold Release Compound** can be exposed to temperatures up to 204°C (400°F) for short periods. The consistency of **Mold Release Compound** can be reduced with hydrocarbon solvents to makes it suitable for application by brush, spray or roller.

Semi-Fluid Mold Release Compound is solvent diluted form of **Mold Release Compound**.

Product No. 301763

MOLD RELEASE COMPOUND
TYPICAL PROPERTIES

<u>Product No.</u>	<u>301763</u>
<u>Old Product No.</u>	<u>72050</u>
NLGI Grade	2
Penetration, worked (60 strokes), ASTM D217 mm/10	270
Thickener Type	Organo-clay
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	113
@ 100°C, cSt	11.8
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	592
@ 210°F, SUS	67.0
Dropping Point, ASTM D2265 °C	> 260
(°F)	(>500)
Diluent	None
Flash Point (Base Fluid), ASTM D93 °C	214
(°F)	(418)
Appearance	Buttery
Color	Tan