

Mold Release Compound

PRODUCT DESCRIPTION

Bel-Ray® Mold Release Compound is a paste-type mold release agent. This industrial Mold Release Compound is based on mineral oil with an organoclay 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.

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.

PRODUCT FEATURES and BENEFITS

- Organo-clay thickener provides a high dropping point.
- Formulated with tackifier to ensure products remains on equipment.
- Excellent water resistance, which is ideal for wet applications

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.

PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 2
Thickener Type		Organo-Clay
Appearance		Buttery
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	270
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	113
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	11.8
Flash Point (Base Fluid), °C (°F)	ASTM D93	214 (418)
Dropping Point, °C (°F)	ASTM D2265	> 260 (> 500)
Diluent		None
Color		Tan

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com