

ReleaSys™ 7200 High Performance Wax Release Agent

Description:

ReleaSys™ 7200 is a high-performance mold release agent designed to provide exceptional release ease, cost-efficiency, and maximal throughput. Utilization of a proprietary non-silicone, non-fluoropolymer, resin and wax system, our unique chemistry accelerates the drying and cure process allowing rapid reapplication intervals. ReleaSys™ 7200 was specifically designed for molding operations which require efficient and fast production speeds with minimal downtime. ReleaSys™ 7200 will not interfere with post-production finishing operation. Benefits of this product include:

- Exceptional durability and surface adhesion
- Ideal rapid re-application intervals
- No affect on paintability, bonding, or adhesion
- Non-silicone and non-fluoropolymer
- Fast Drying; Rapid cure
- Clean, Non-oily, Non-migrating

Release Agent Applications:

ReleaSys™ 7200 is formulated to provide unmatched utility in lower-temperature compression, injection and transfer molding with the following materials:

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| • Organic Polymer | • Thermoplastics |
| • Thermosetting resins | • EPDM |
| • Fluoroelastomers | • Epoxy |
| • Acrylics | • Melamine |
| • Neoprene | • Elastomers (Natural and Synthetic) |

Recommended Application Procedure:

1. Clean mold surface thoroughly. Mechanical cleaning such as bead media blasting, followed by chemical cleaning, provides the best surface for application. Removal of all previous mold release agent and contamination is critical.
2. ReleaSys™ 7200 can be applied by hand wiping, dip, or any spray equipment that can produce fine atomization and deposit a uniform, thin film. Multiple light coats can be applied, but is usually not necessary.
3. Allow ReleaSys™ 7200 to dry completely before molding. On heated molds this occurs instantly. Once dried, ReleaSys™ 7200 will exhibit a lubricious, slippery surface. If this is not developed the product has either not fully dried or was overapplied.

4. ReleaSys 7200 can be lightly buffed to remove excess material or diluted with the appropriate hydrocarbon solvent to lower film build.

Reapplication:

1. When release becomes hesitant, immediately reapply one coat of ReleaSys™ 7200 in the same manner as described previously. Spot touch-ups can also be done on known high wear or geometrically strained areas.

Physical Properties:

Primary Polymer: Synthetic Wax
Appearance:.....Clear
Odor:.....Hydrocarbon
Specific Gravity:.....0.69 g/mL @ 25°C
Flash Point:.....-15°F / -26.1°C

Storage and Handling:

ReleaSys™ 7200 should be stored in a well-ventilated area which is cool and dry. Do not expose to freezing temperatures. Prior to use, container should be lightly agitated.

ReleaSys™ 7200 should not be used at temperatures above 250 °C or near open flames. Chemical breakdown will occur which will result in the generation of toxic fumes. When spraying, avoid inhalation of mist and exposure to skin. Always wash hands after handling.

Shelf-Life

ReleaSys™ 7200 has a shelf life of 12 months from the date of shipment.

ReleaSys™ Product Line:

Miller-Stephenson offers a selection of high performance, semi-permanent release systems to meet your mold process needs. All variants of the ReleaSys™ Series will deliver higher productivity, lower rejection rates, and higher quality products.

Safety Data Sheet available upon request.

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