

## ReleaSys™ 72 High Performance Wax Release Agent

### Description:

ReleaSys™ 72 is a high-performance, aerosol 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™ 72 was specifically designed for molding operations which require efficient and fast production speeds with minimal downtime. ReleaSys™ 72 will not interfere with post-production finishing operation. Benefits of this product include:

- Exceptional durability and surface adhesion
- Ideally rapid re-application intervals
- No effect on paintability, bonding, or adhesion
- Non-silicone and non-fluoropolymer
- Fast Drying; Rapid cure
- Excellent for Epoxy, Fiberglass Vinylester substrates

### Release Agent Applications:

ReleaSys™ 72 is formulated to provide unmatched utility in lower-temperature compression, injection and transfer molding with the following materials:

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

### 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™ 72 should be applied in light, even coats across the mold surface. It can be applied to cold or warmed mold surfaces.

3. Allow ReleaSys™ 72 to dry completely before molding. On heated molds this occurs instantly.
4. If excessive application is observed, ReleaSys 72 can be lightly buffed to remove excess material.

### Reapplication:

When release becomes hesitant, immediately reapply one coat of ReleaSys™ 72 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: Proprietary  
Appearance:.....Clear, Straw colored  
Odor:.....Hydrocarbon  
Specific Gravity:.....0.69 g/mL @ 25°C

### Storage and Handling:

ReleaSys™ 72 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™ 72 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™ 72 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.**