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McLube 1700L

MOLD RELEASE AGENT & DRY-FILM LUBRICANT

Product Description

McLube 1700L is a dry, colorless solvent dispersion of polytetrafluoroethylene (PTFE) ideally formulated for release of silicone rubber and other rubber compounds. This product is also an effective release agent for thermosetting resins and some composites. The product's low coefficient of friction also makes McLube 1700L an ideal dry-film lubricant, anti-stick coating, and insertion aid.

Typical Product Data

Color and appearance	White, translucent liquid
Dispersing Medium, solvent blend	Heptane, ethanol, butyl acetate
Specific gravity	0.78
Weight per gallon (lbs.)	6.5

Key Performance Properties

- Low coefficient of friction and excellent release characteristics
- Semi-permanent, multiple releases per application
- Clean, colorless, non-oily, and non-staining
- Dries instantly regardless of temperature or humidity
- Contains no oils, greases, soaps, waxes, or silicones
- Will not cause knit lines
- Promotes excellent surface finish
- Reduces scrap and buildup
- Protects molds against rust and corrosion
- Extends the effective lifespan of machinery

Variations

- **McLube 1700LR** – contains a red indicator dye for visual verification of application
- **McLube 1700L UV** – contains an ultraviolet indicator die
- **McLube 1700L RTU** – a specialized blend of 1700L that matches the solids content of McLube factory-standard 1700L aerosols. This product is a cost-effective option for customers applying 1700L by aerosol in large quantities. This product arrives ready-to-use in atomizing spray guns.

Fact Sheet

Uses

- Mold release agent for all natural and synthetic rubbers, plastics, and composites
- Mandrel Lubricant and Hose Manufacturing Aid
- Potting, laminating, encapsulating, and masking
- Reduces buildup of resins, inks, & adhesives on process rolls, belts, & dry cans
- Protective coating and conditioner for metal molds in storage
- Dry-film lubricant and insertion aid for metal-metal, metal-rubber, metal-composite, and metal-plastic interactions

Application Methods

Surfaces must be thoroughly cleaned and dried before applying McLube 1700L. All traces of prior release agents should be removed by washing with acetone, toluene, or a McLube Industrial Cleaner.

McLube 1700L is intended for use as supplied. Agitation is required prior to and periodically during use. Apply by spraying, dipping, wiping or brushing. This product is compatible with atomizing spray guns.

1. Apply a thin, even coating to the desired substrate. After the solvent has evaporated, a second coating is recommended on clean, unconditioned surfaces.
2. Apply every cycle for the first few cycles to condition the mold. Once the mold is conditioned, several cycles per application should be obtainable.
3. The number of releases per application on a conditioned mold will vary by material and process.

Consult your McLube Technical Representative for tailored application instructions and cost-saving process assistance.

Safety and Handling

The Safety Data Sheet (SDS) for McLube 1700L should be reviewed before use. This product is flammable and should be kept away from heat, sparks, and flames. Ensure adequate ventilation, especially in enclosed areas. The active ingredients in McLube 1700L are essentially nontoxic but heating this product above 550°F may form potentially harmful substances. Smoking should not be permitted while using McLube 1700L and contamination by tobacco products should be avoided.

Availability

McLube 1700L is supplied in 1-gallon cans, 5-gallon pails, 55-gallon drums, and 12-oz. aerosol cans.

The information herein is believed to be reliable, but it is the user's responsibility to determine suitability of use; since we cannot know conditions of use, we make no warranties and assume no liability concerning use of the information. Nothing herein should be taken as an inducement to infringe any patent. © 2019 McGee Industries, Incorporated. All Rights Reserved.