

McLube 1829(I)

FLUOROCHEMICAL, RELEASE AND ANTITACK COATING

Product Description

McLube-1829(I) is a water dilutable emulsion of a fluorochemical / resin mixture intended for use as a release coating in rubber molding processes and as an antitack coating for uncured rubber. This product represents an economically attractive replacement for the conventional release and antistick / antitack agent used in the rubber industry and at same time offers superior properties to such agents.

Typical Product Data

Color and appearance.....	Milk-white emulsion
Consistency.....	Water thin
Suitable diluent.....	Water
Emulsion type.....	Nonionic
Weight per gallon (lbs).....	8.3

Key Performance Properties

Mold Release Coating

- ▶ Dry, colorless, non-oily coating which adheres well to surfaces
- ▶ Will not transfer to molded parts
- ▶ Will not interface with post finishing operations
- ▶ Will not cause knitines
- ▶ Gives multiple releases per application
- ▶ Keeps molds cleaner longer
- ▶ Chemically stable

Antitack Coating for Uncured Rubber

- ▶ Wets, surfaces perfectly
- ▶ Clean, dry, colorless, non-oily coating
- ▶ Non-transferring
- ▶ Non-dusting
- ▶ Eliminates safety and housekeeping problems experienced with mica, talc, stearates, waxes etc.
- ▶ Cost effective
- ▶ Chemically stable

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Uses

Rubber and plastics release from molds
Release coating for paper processing equipment – rolls blades, dry cans, etc.
Antistick / antitack coating for uncured rubber to replace talc, mica, etc.
Nondusting slab dip

Application Method for Molds

McLube 1829(I) is a concentrate and is intended to be diluted with water prior to application. A dilution rate of one part product to four part water is suggested as a starting point, particularly while a mold is being conditioned. It may then be possible to use higher dilutions and still achieve excellent release results.

Although McLube 1829(I) is a stable emulsion, as are the various dilutions, some separation may occur on standing. It is, therefore, recommended that the product and its dilutions be agitated prior to, and periodically during use.

For optimum results, the surface to which McLube 1829(I) is applied should be cleaned and free from any oily residue or other release coating. The diluted product can be applied by conventional means such as wiping or spraying, with the later preferred. Ideally the surface being treated should be hot to allow the water to evaporate quickly.

Application to uncured Rubber

Optimum performance in using McLube 1829(I) as an antistick/antitack agent for uncured rubber is achieved if McLube 1829(I) (diluted) is applied to the rubber while it is hot. If the surface is not hot enough to dry the coating quickly, forced drying using hot air or a heat lamp is suggested.

Applying McLube 1829(I) dilutions to uncured rubber can be accomplished by spraying, flow coating or dipping. The optimum dilution rate for McLube 1829(I) on uncured rubber will depend on the particular compound or process involved. Thus, some preliminary evaluations will be required to determine the lowest concentration that will furnish the desired antistick properties.

Safety and handling

Freezing of the product should be avoided.

McLube-1829(I) has a very low order of toxicity. If product contacts the eyes minor irritation may result, but flushing with water will minimise any discomfort. Prolonged contact with the skin should be avoided.

A material safety data sheet outlining the known hazards and describing appropriate safety precautions is available on request.

Availability

McLube-1829(I) is supplied in five litre and 20 litre plastic containers.

The information herein is believed to be reliable, but it 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.