

DuPont™ TraSys® 512

Mandrel Release Coating

Description

TraSys® 512 mandrel release coating is a water-based dispersion designed for water stripping operations and can be applied to flexible or rigid mandrels. When applied to a mandrel, it exhibits outstanding release or antistick properties and has a very low coefficient of friction. It is clean, nonoily, nonstaining, chemically inert, and can function in temperatures to 260°C (500°F) or higher.

Uses

TraSys® 512 mandrel release coating has unique properties, making it an excellent release agent for all types of rubber, fluoropolymer, and plastic. Unlike oily release agents, when properly applied, it does not cause hose tube pitting.

Directions for Use

TraSys® 512 mandrel release coating should be applied to clean, dry surfaces. The following are suggested methods of application.

- Dipping or Flooding—The easiest and most widely used method for applying TraSys® 512 mandrel release coating. A wiper system should be used to strip off excess amounts, ensuring a thin, even coating over the entire length of the mandrel.
- Spraying—Particularly effective in depositing a very thin coating with excellent adhesion. This system can be used with a hand spray gun or with automatic spray heads, which can be operated intermittently or continuously.
- Wiping or Brushing—Very effective for coating small amounts of mandrels or selected areas on a mandrel.

Regardless of method of application, the coating must be dried completely before use.

Typical Properties

Primary Polymer: Proprietary Polysiloxanes
Specific Gravity: 1.0
Odor: Slight
Color: White
Flash Point: None

Storage and Handling

Contact with the skin should be avoided. Adequate ventilation must be provided in work areas. Breathing vapors should be avoided. If spraying, care should be taken to avoid inhaling mist or vapors, just as sprayed paint inhalation should be avoided.

Vapor may develop slight pressure. Therefore, care should be exercised when opening containers. Containers should be closed promptly after removing part of the contents to avoid evaporation.

Care should be taken not to expose TraSys® 512 release coating to open flame or intense heat. Temperatures above 260°C (500°F) may cause chemical breakdown, resulting in toxic fumes. Always wash hands after handling TraSys® 512 release coating.

Shelf Life

TraSys® 512 has a shelf life of 1 year from the date of shipment.

Packaging

TraSys® 512 is available in 1-, 5-, and 55-gal containers. Larger volume orders may be packaged in specialty containers.

Shipping Limitations

None



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For more information or technical assistance, call: (800) 441-9503
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