



PRODUCT INFORMATION

HIGH TECHNOLOGY MATERIALS

META-PART 7582

HIGH TEMPERATURE RESISTANT FLUOROCARBON DRY LUBRICANT AND MOLD RELEASE AGENT

META-PART 7582 is a dispersion of an inert white, wax-like tetrafluoroethylene telomer in isopropanol. **META-PART 7582** is a true fluorocarbon polymer closely related to "Teflon" TFE* resins and exhibits similar characteristics such as excellent thermal stability and chemical inertness coupled with excellent lubricity and anti-stick mold release characteristics. It is a CFC-free version of **META-PART 7581**.

META-PART 7582 finds application in missile and space, electronics, aircraft and plastics industries in such areas as filament winding, pre-preg molding, epoxy casting, rubber molding, injection molding of thermoplastics such as acrylics, polypropylene, nylon, vinyls, polystyrene, and compression molding of polyesters, diallyl phthalates, alkyds, phenolics, ureas and melamines.

OUTSTANDING ADVANTAGES

- High temperature resistance to 500°F compares favorably with silicones.
- Chemically Inert: Does not dissolve in common solvents.
- More releases per single application with no-sticking of parts in molds.
- Masking - to provide adhesion-free coatings on mandrels and jigs, etc.
- Paintable - no transfer from molds to parts - will not interfere with painting.
- High lubricity and anti-friction properties - coated parts exhibit much lowered coefficient of friction.

META-PART 7582 may be applied by dipping, brushing or spraying. However, since isopropanol is a flammable solvent, extra care is required in handling, storing and applying this product. All spray equipment must be safe for use with flammable solvents.

The drying time of **META-PART 7582** is somewhat slower than **META-PART 7581**. Drying time is affected by temperature, ventilation and quantity of material applied. Drying time can be reduced by use of a warm drying room.

*TFE- "Teflon" is a registered trademark of DuPont for TFE polymers.

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FORM 1105 REV. 0

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META-PART 7582 when sprayed, deposits a “fog” of minute particles rather than a continuous film. This results from the unique nature of the dispersion, and provides a coating which is not readily wetted by polymers, resins, chemicals or paints. Slight buffing will enhance the coating and provide uniform release properties. In fact, the durability of the film can be increased and improved if after application the mold is heated to approximately 400-575°F.

Storage in aluminum containers is not recommended due to the possibility of aluminum isopropoxide formation at elevated temperature. Store **META-PART 7582** inside in a cool, dry well ventilated area suitable for flammable material. When kept tightly closed in the original container at temperatures from 50 to 90°F, the warranted shelf-life is 6 months.

HANDLING PRECAUTIONS

Read Material Safety Data Sheet before handling. Keep containers closed when not in use. Check uniformity of contents before using. The active ingredient may settle on standing. Stir thoroughly to restore complete dispersion. Observe good industrial hygiene practices. Avoid breathing vapors. Irritation may result from repeated skin contact. Prevent eye contact. Effective ventilation, goggles and protective clothing are recommended for personnel. In case of accidental skin contact, wash the affected area with soap and water. In case of eye contact, flush eyes thoroughly with water and consult a physician.

MERECO TECHNOLOGIES offers a broad line of silicones and epoxies for coating, encapsulating, potting, sealing and adhering. Call or write to request information on you needs and help with your problems. Our toll free number is 800 556-7164. Our fax number is 401 822-9311.