PRODUCT DATA

Mono-Coat® E179 N-ODS

Semi-Permanent Release

Mono-Coat® E179 N-ODS is a solvent-based release system that provides low transfer of release agent, high-temperature stability and abrasion resistance of the release film. This product can be cured at room temperature or by heat cure methods. Mono-Coat® E179 N-ODS contains no Ozone Depleting Substances (ODS). Mono-Coat® E179 N-ODS adheres to the mold surface and produces multiple releases with low transfer to molded parts and leaves virtually no buildup on molds, when applied according to instructions.

Typical Properties

Appearance	Clear liquid
Density, lbs/gal; kg/l	6.44/ 0.77
Flash Point, ºF/ºC	58/14
Storage Stability, unopened	6 months

Application

Mono-Coat® E179 N-ODS can be applied to either a hot or a cold mold. For best results, product should be cured on the mold at 200°F/93°C or the molding temperature (whichever is higher) to achieve the maximum number of releases per application. If room temperature cure is desired, allow a minimum of one hour for film hardening.

1. Thoroughly clean the mold with a suitable solvent or detergent to remove the previous release agent or other contamination. Wipe dry with a clean cloth or towel. Then wipe with a clean solvent or naphtha and let air dry.
2. To pre-treat or condition the clean mold, apply Mono-Coat® E179 N-ODS in a well-ventilated area. Apply at least three, uniform, thin coats and allow 5-10 minutes between applications for air drying of each coat. A short baking of the conditioned mold (10-15 minutes) at 200°F/93°C or the molding temperature (whichever is higher) will improve the durability of the Mono-Coat® E179 N-ODS film and will provide the maximum number of releases per application.
3. a) If spraying, use conventional spray equipment and hold spray tip 4-10"/10-25 cm from mold surface. Use a light, even spray.
   b) If wiping the mold, use a clean, lint-free, cotton cloth. Only a thin, wet film is required and because Mono-Coat® E179 N-ODS dries rapidly, care should be taken to avoid taken to avoid reapplying release agent over areas already covered. As with spray application, apply at least three, uniform, thin coats and allow 5-10 minutes between applications. Cure as recommended above. Begin molding.
4. Reapply a light coat of the Mono-Coat® when required, to maintain desired release. To prevent buildup, avoid over-application.

Storage

Since Mono-Coat® E179 N-ODS is a flammable material, caution should be taken when handling this product. Do not store at temperatures above 100°F/38°C. Keep container tightly sealed to prevent evaporation and/or moisture contamination.

Handling

We believe Mono-Coat® E179 N-ODS has a low degree of hazard when used as intended. For more information, request a copy of Chem-Trend's Material Safety Data Sheet.

Packaging

Mono-Coat® E179 N-ODS is available in 1-gallon, 5-gallon (20-liter) and 55-gallon (208-liter) containers.

Further Information

Request information on our complete range of materials: custom-formulated release agents for polyurethane molding; tire lubes and bladder coatings; Mono-Coat® semi-permanent release coatings; aerosol formulations; mold cleaners and sealers; specialized coatings and application equipment.

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