



Product Information

www.miller-stephenson.com

MS-122XD PTFE Release Agent/Dry Lubricant

Description:

MS-122XD is a versatile and robust release agent / dry lubricant, which utilizes a rapidly drying, VOC exempt carrier solvent to enhance throughput and production efficiency. The formulation contains a high lubricity, low molecular weight PTFE fluoropolymer designed to not interfere with posting finishing operations. MS-122XD offers the following benefits:

- Efficient, consistent release of molded parts
- Outstanding lubricity and minimization of slip-stick
- VOC exempt formulation
- Nonflammable, Non-ozone depleting
- Non-migrating; Non-staining

Release Agent Applications

MS-122XD can be used to release the following materials with virtually no transfer of the release agent:

- Plastics
- Resins
- Acrylics
- Urethanes
- Nylons
- Rubbers
- Phenolics
- Polycarbonates
- Polystyrene
- Elastomers

Dry Lubricant Applications

As a dry lubricant, MS-122XD is applicable on a variety of materials and will afford unmatched lubricity and wear resistance. These materials include:

- Metal
- Glass
- Rubber
- Wood
- Ceramics
- Elastomers
- Polycarbonates
- Elastomers

Physical Properties:

Primary Polymer:.....Fluoropolymer
 Appearance:.....White Particle suspension
 Odor:.....Slight
 Specific Gravity:.....1.58 g/mL @ 25°C

Recommended for application on molds to 212°F/100°C. Mold and then be heated up to 500°F/260°C.

Recommended Application Procedure:

1. Clean mold surface thoroughly. Mechanical cleaning followed by chemical cleaning, provides the best surface for application of 122XD. Removal of all previous mold release agent is critical.
2. Shake can vigorously for one minute. Hold can approximately 6-8 inches away from a non-heated mold surface and apply a light coat of release agent.
3. Allow solvent to dry completely before molding any parts. This will ensure the most effective coating for durability and cycle life.

Reapplication:

1. When release becomes hesitant, reapply one coat of MS-122XD in the same manner as described above.

Fused Coatings Procedure (Optional)

1. After applying the release agent, heat the surface to 581°F - 600°F. Coating will transition from white to translucent. Maintain for 10 minutes.
2. If a white residue is left on the metal surface, buff with a soft cloth. When coating is properly fused, it is more durable.

Safety data sheet (SDS) is available upon request.

Disclaimer: The manufacturer shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use or inability to use this product. User shall determine the suitability of the product for his intended use and user assumes all risk and liability in connection therewith.