



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
 Ozone depletion:.....0.00
 VOC:.....Exempt

The recommendation made here with and the information set forth with respect to the performance or use of our products are believed, but not warranted to be accurate. The products discussed are sold without warranty, as to fitness or performance, express or implied and upon condition that purchasers shall make their own test to determine suitability of such products for their particular purposes. Likewise, statements concerning the possible uses of our products are not intended as recommendations to use our products in the infringement of any patent.

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

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.

MS-122 Product Line:

Miller-Stephenson offers a selection of specialized formulations which provide high performance solutions for your molding process. The MS-122 Series will deliver higher productivity, lower rejection rates, and higher quality products. Please use the selection guide below to help direct you to the appropriate product.

MS-122 Series	Dry Time	Durability	Releases per Application
AD	●●●	●	●
XD	●●●●●	●●	●●
AV	●	●●●●●	●●●●●
SE	●●●●	●●●●	●●●●●

Safety data sheet (SDS) is available upon request. 1472-9K