miller-stephenson

Product Information

www.miller-stephenson.com

MS-122AD
PTFE Release Agent/Dry Lubricant

Description:

MS-122AD was developed as an efficient, economical and universal release agent. This formulation contains a high lubricity, low molecular weight PTFE fluoropolymer specialized for mold release and dry lubricant applications. MS-122AD offers the following benefits:

- Cost-effective release of molded parts
- Outstanding lubricity and minimization of slip-stick
- Nonflammable, Non-ozone depleting formulation
- Non-migrating; Non-staining

Release Agent Applications

MS-122AD 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-122AD 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:……1.20 g/mL @ 25°C
Ozone depletion……0.00
VOC Content……84 g / L

Recommended Application Procedure:

1. Clean mold surface thoroughly. Mechanical cleaning followed by chemical cleaning, provides the best surface for application of 122AD. 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-122AD in the same manner as described above.

Fused Coatings Procedure (Optional)

1. After applying the release agent, heat the surface to 581ºF - 600ºF. 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.

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. 1467-9M

For technical information call 800.992.2424 or 203.743.4447
For product sales: CT 800.442.3424, CA 800.771.8161, IL 800.447.4866, Canada 800.307.2199
www.miller-stephenson.com