



Product Information

www.miller-stephenson.com

MS-122AV High Performance Mold Release Agent

Description:

MS-122AV combines high efficiency low-molecular weight polytetrafluoroethylene (PTFE) and proprietary surface activation chemistry. This formulation yields superior adhesion of PTFE to metallic, glass, and non-plastic surfaces. The result is unmatched durability, extended reapplication intervals and virtually no transfer. MS-122AV advantages include:

- Unparalleled release agent durability
- Ideal for difficult mold geometries
- Improves quality and consistency of molded parts
- Nonflammable; Non-ozone depleting formulation
- Non-migrating; Non-staining

Release Agent Applications:

Our specialized chemistry can be used to release the following materials:

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

Physical Properties:

Primary Polymer:.....Fluoropolymer
Appearance:.....Light Yellow particle suspension
Odor:.....Alcohol
Specific Gravity:.....1.2 g/mL @ 25°C
VOC Content:.....84 g/l

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 such as bead media blasting or steel wool, followed by chemical cleaning, provides the best surface for application of 122AV. 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. NOTE: Material will apply wet and transparent but will dry to a fine-white coat.
3. Allow solvent to dry completely before molding any parts. Although it is not necessary to heat MS-122AV, performance can be enhanced if a heating cycle is completed prior to operation. This will ensure the most effective coating for durability and cycle life.

Reapplication:

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

Fused Coatings Procedure (Optional)

1. After applying the release agent, heat the surface to 581°F - 600°F.
2. Coating transition from white to translucent will occur. Maintain the temperature of the coated surface for 5 to 10 minutes.
3. If a white residue is left on the metal surface, buff with a soft cloth. When the coating is properly fused, it is extremely 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.

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