

milGlide™

Advanced Medical Lubricants

Introduction

MilGlide™ is a family of multifunctional perfluoropolyether polymer additives based on fluorinated synthetic oil. They have excellent color, UV, and thermal stability. They internally lubricate to improve flow properties, processibility, throughput, uniform mixing/dispersion of ingredients, and offer many advantages over competitive process aids.

MilGlide™ can be used in a variety of thermoplastic and thermosetting polymers at typically less than 1% by weight. Improves mechanical performance and longevity of processing characteristics such as wear and flex fatigue.

USP Class VI

Key Benefits & Characteristics

- Reduces Coefficient of Friction
- Non-Silicone
- Reduces Wear and Abrasion
- Eliminates Marring and Scratching
- Inert to Polymers and Other Chemicals
- Improves Melt Flow and Mold Release
- Eliminates Squeak/Sticking
- Eliminates Plate Out and Die Buildup
- Improves Extrusion Rate

Applications & Technical Data

Common Uses

- Urinary Catheters
- Cardiovascular Catheters
- Medical Devices
- Polymer Gear/Bushings
- O-rings/Seals
- Polymer Films
- Processing Aids

Compounding

MilGlide™ can be incorporated into the polymer matrix by using conventional melt compounding equipment. Some grades can be processed at temperatures as high as 680°F (360°C) due to its excellent thermal stability and low volatility. The recommended loading of MilGlide™ is 0.25-1.0%, depending on the base polymer matrix and final performance desired

Availability:

Low Viscosity: MS-1100MD
Med. Viscosity: MS-1500MD
High Viscosity: MS-1700MD



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



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