

DuPont™ Fluoroguard® SG

Polymer Additive

Fluoroguard® SG is a colorless, odorless, nonflammable and chemically inert polymer compounding additive based on fluorinated synthetic oil (perfluoropolyether). Fluoroguard® SG meets the USP Plastics Class VI requirements for polymer additives (NAMSA tested). It has excellent color and UV/thermal stability. Added to plastics and elastomers, Fluoroguard®

improves the processing and performance of products. The major benefits are improved processability, wear/abrasion resistance, lubricity, mar/scratch resistance, and surface quality. Fluoroguard® SG internally lubricates parts, offering excellent lubricity while not affecting chemical properties. Fluoroguard® SG is approved by NSF as an H-1 incidental contact food lubricant.

Typical Parts of Fluoroguard® SG

Properties	Units/Conditions	Typical Values
Average Molecular Weight	—	4950
Viscosity	cSt at 50°C (122°F)	107
Volatility	22 hr at 121°C (250°F)	<1.0%
Density	g/mL at 23°C (74°F)	1.9
Surface Tension	dyn/cm at 26°C (79°F)	18
Refractive Index	nD25	1.3
Pour Point	°C (°F)	-36 (-33)
Appearance	—	Clear liquid

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H-79793-3 (7/05) Printed in the U.S.A.

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