



Dow Corning® MB 50-321 Masterbatch

Dow Corning Corporation - Slip Agent / Lubricant / Mold Release / Processing Aid Masterbatch

Sunday, November 3, 2019

General Information

Product Description

Dow Corning® MB50-321 Masterbatch is a pelletized formulation containing 50% of a functionalized ultra-high molecular weight (UHMW) siloxane polymer. It is designed to be used as additive in resin compatible systems to improve processing and modify surface characteristics.

Silicone-based plastic additives have been used in the plastics industry for many years to improve the mold release and flow of thermoplastics.

The Dow Corning® MB Series Masterbatches address these problems by supplying a high concentration of an ultra-high molecular weight (UHMW) siloxane as a dispersion in a dry pellet form in a variety of thermoplastics.

APPLICATIONS

- Additive for polypropylene compatible systems

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Agency Ratings	• FDA 21 CFR 177.1520	• FDA 21 CFR 177.1520(c) 1.1	• FDA 21 CFR 181.28

ASTM & ISO Properties ¹

Additives General	Nominal Value	Unit
Additives Category	Masterbatch -- Slip Agent / Lubricant / Mold Release / Processing Aid -- Silicone-based	
Carrier Resin	Polypropylene or propylene-olefin copolymer (PP)	
Recommended for Use In	Polypropylene or propylene-olefin copolymer (PP)	
Forms	Pellets / Granules	
NFPA 704 Safety Rating		
1	•	Flammability
0		Health
		Reactivity

Additives Physical	Nominal Value	Unit
Density	0.948	g/cm ³
Additive Concentration	50	%
State at Room Temperature	Solid	
Melting Temperature	320	°F
Chemical Description	Siloxane	

Notes

¹ Typical properties: these are not to be construed as specifications.