



Dow Corning® MB 25-381 Masterbatch

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

Sunday, November 3, 2019

General Information

Product Description

Dow Corning® MB25-381 Masterbatch is a pelletized formulation containing 25% of ultra-high molecular weight functionalized siloxane polymer dispersed in an advanced polyolefin. It is designed to be used as additive in polypropylene compatible systems to impart benefits such as processing improvements and modification of surface characteristics.

Liquid siloxane plastic additives have been used for several years to improve the lubricity and flow of thermoplastics. They are effective in this role although some difficulties have been experienced in the incorporation of liquids into thermoplastic melts without the use of specialized equipment. It has also been difficult to produce masterbatches with greater than 20% liquid siloxane because of processing difficulty and bleed problems.

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

APPLICATIONS

- Additive for polypropylene and polyethylene compatible systems

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific
	• Europe • Latin America
	• North America

ASTM & ISO Properties ¹

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

Additives Physical	Nominal Value	Unit
Density	0.928	g/cm ³
Additive Concentration	25	%
State at Room Temperature	Solid	
Chemical Description	Siloxane	

Notes

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