



Dow Corning® MB 25-302 Masterbatch

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

Sunday, November 3, 2019

General Information

Product Description

Dow Corning® MB25-302 Masterbatch is a pelletized formulation containing 25% of a functionalized high molecular weight siloxane polymer dispersed in LDPE. It is designed to be used as additive in polypropylene, polyethylene, and other LDPE compatible systems to improve processing and modify 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 a high molecular weight (HMW) siloxane as dispersion in a dry pellet form in a variety of thermoplastics.

APPLICATIONS

- Additive to be used in polypropylene, polyethylene, and other LDPE 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	
Carrier Resin	Polyethylene or ethylene-olefin copolymer (PE)	
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.