



Dow Corning® MB 50-802 Masterbatch

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

Sunday, November 3, 2019

General Information

Product Description

Dow Corning® MB50-802 Masterbatch is a pelletized formulation containing 50% of a silica modified high molecular weight siloxane polymer dispersed in polyethylene. It is designed to be used as an additive in polyethylene compatible systems to impart benefits such as processing improvements and modification of surface characteristics.

Silicone-based plastic additives have been used in the plastics industry for several years to improve the mold release and flow of thermoplastics. They are effective in their role, although until now some difficulties have been experienced in the accurate incorporation of low-viscosity liquids into thermoplastic melts without use of specialized equipment.

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

APPLICATIONS

- Additive in 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	
Carrier Resin	Polyethylene or ethylene-olefin copolymer (PE)	
Recommended for Use In	Polyethylene or ethylene-olefin copolymer (PE)	
Forms	Pellets / Granules	
NFPA 704 Safety Rating		
1	•	Flammability
0		Health
		Reactivity

Additives Physical	Nominal Value	Unit
Density	0.998	g/cm ³
Additive Concentration	50	%
State at Room Temperature	Solid	
Chemical Description	Siloxane	

Notes

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