Dow Corning® MB 50-804 Masterbatch

Monday, November 4, 2019

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

General Information

Product Description

Dow Corning® MB50-804 Masterbatch is a pelletized formulation containing 50% of an ultra-high molecular (UHMW) Siloxane polymer dispersed in High Impact Polystyrene (HIPS). It is esigned to be used as an additive in styrene 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 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 a dispersion in a dry pellet form in a variety of thermoplastics.

APPLICATIONS

- An additive typically used in Styrene 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	Styrene polymer or copolymer (PS, SBS)	
Recommended for Use In	Styrene polymer or copolymer (PS, SBS)	
Forms	Pellets / Granules	
NFPA 704 Safety Rating		
1	Flammability	
0	• Health • Reactivity	

Additives Physical	Nominal Value	Unit
Density	0.998	g/cm³
Additive Concentration	50	%
State at Room Temperature	Solid	
Chemical Description	Siloxane	

Notes

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

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