



Dow Corning® MB 50-001 G2 Masterbatch

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

Sunday, November 3, 2019

General Information

Product Description

Dow Corning® MB50-001 G2 Masterbatch is a pelletized concentrate containing reaction products of ultra-high molecular weight siloxane polymer reactively dispersed in polypropylene homopolymer (PPH). It is designed to be used as an additive in polyolefin based compounds to impart surface properties such as scratch resistance and machine lubrication during processing.

Liquid siloxane plastic additives have been used for several years as thermoplastic process aids to improve flowability. They are effective in this role although some difficulties have been encountered when incorporating liquids into plastic melts without the use of specialized equipment.

Dow Corning MB50-001 G2 Masterbatch addresses these problems by delivering silicone in solid form.

APPLICATIONS

- Additive for polyolefin based systems for surface properties improvement or process lubrication.

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	Polypropylene or propylene-olefin copolymer (PP)	
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	0.898	g/cm ³
State at Room Temperature	Solid	
Chemical Description	Siloxane	

Notes

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