



Dow Corning® MB 40-006 Masterbatch

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

Sunday, November 3, 2019

General Information

Product Description

Dow Corning MB40-006 Masterbatch is a tribological modifier for polyacetal based systems. This additive is an easy to handle pellet.

Dow Corning MB40-006 Masterbatch enables you to achieve lower coefficient of friction compared to standard PTFE. Typical addition levels between 2 and 5 wt% show highly efficient coefficient of friction reduction by at least 20% vs corresponding 15-20 wt% PTFE formulations against POM and stainless steel. Dow Corning MB40-006 Masterbatch allows you to recover lost mechanical performances (tensile and impact) vs standard PTFE and reach initial performances of neat polyacetal.

Dow Corning MB40-006 Masterbatch is also highly efficient at suppressing stick-slip phenomenon at low speed when used in applications against steel following VDA 230-206 norm.

Dow Corning MB40-006 Masterbatch is suitable for long term applications.

APPLICATIONS

- Designed for applications requiring long term COF reduction. Typical examples are bearings, gears and conveyor belts, window lifting systems and steering column sensors, housings and roller shutter systems, kitchen and household appliances and sports equipment.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Agency Ratings	• EC 1935/2004 • EC 2023/2006	• FDA 21 CFR 177.2470 • FDA 21 CFR 181.28	

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	Acetal (POM)	
Forms	Pellets / Granules	
NFPA 704 Safety Rating		
1		Flammability
0	•	Health
	•	Reactivity

Additives Physical	Nominal Value	Unit
Density	1.23	g/cm ³
State at Room Temperature	Solid	
Chemical Description	Polydimethylsiloxane	

Notes

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