

Hybrid Plastics Polyamide POSSÂ® Flow Masterbatch

Category : Polymer , Thermoplastic , Nylon

Material Notes:

POSSÂ® Flow masterbatches show success in reducing the melt viscosity of a variety of injection molded and extruded resins. Hybrid Plastics now introduces such a solution for polyamide polymers. Polyamide POSSÂ® Flow is a pellet masterbatch incorporating POSSÂ® that can be used directly in the process or manufacturing stream. For injection molding applications, benefits include decreased molding pressures and increased flow for filling intricate and thin-walled parts. This leads to faster cycle times and less scrap. For extrusion applications, POSSÂ® Flow decreases screw torque, allowing increased extrusion rates. At loading levels of up to 10%, Polyamide POSSÂ® Flow does not significantly affect mechanical properties such as modulus, yield strength, or elongation to break. At a 20% loading, there is only a minor decrease in modulus and yield strength. This product is offered in two different versions. Polyamide POSSÂ® Flow is for use in systems without particles or fillers. Polyamide POSSÂ® Flow with POSSÂ® Dispersant combines two POSS technologies into one product. POSSÂ® Flow decreases melt viscosity, while POSSÂ® Dispersant coats and disperses particles reducing melt viscosity even further, thereby increasing productivity and allowing up to three times as much filler to be added.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hybrid-Plastics-Polyamide-POSS-Flow-Masterbatch.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	
Filler Content	10 - 20 %	10 - 20 %	
Melt Flow	110 g/10 min @Load 2.16 kg, Temperature 180 Â°C	110 g/10 min @Load 4.76 lb, Temperature 356 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	170 Â°C	338 Â°F	
Decomposition Temperature	350 Â°C	662 Â°F	5% wt loss in N ₂

Descriptive Properties	Value	Comments
Color	translucent, light brown	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China