

Hybrid Plastics PK6U58.01 PEEK POSSÂ® Flow Masterbatch

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

POSSÂ® Flow masterbatches have shown success in reducing the melt viscosity of a variety of high temperature, difficult to process, thermoplastics. Hybrid Plastics offers such a solution for PEEK. PEEK POSSÂ® Flow is a pellet masterbatch incorporating POSSÂ® Flow in a PEEK carrier that can be used directly in the process or manufacturing stream. For injection molding applications, users will benefit from 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 will decrease screw torque, allowing for an increase in extrusion rate. Typical addition levels are 10 to 20%. Adding 20% to a high molecular weight PEEK nearly doubled the MFI and decreased extrusion torque by 28%. At loading levels of up to 50%, there is no appreciable decrease in mechanical properties, including modulus, HDT and elongation to break. PEEK POSSÂ® Flow is especially effective in filled systems. POSS coats and interacts with most fillers (glass, mineral, clay, etc.), improving dispersion and significantly decreasing melt viscosity.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hybrid-Plastics-PK6U5801-PEEK-POSS-Flow-Masterbatch.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	
Filler Content	10 - 50 %	10 - 50 %	
Melt Flow	550 g/10 min @Load 5.00 kg, Temperature 380 Â°C	550 g/10 min @Load 11.0 lb, Temperature 716 Â°F	

Descriptive Properties	Value	Comments
Color	Opaque, light brown	

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