

Solvay Specialty Polymers Omnix® 4050 Polyamide, High Performance (HPPA) (Conditioned)

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Omnix® 4050 is a 50% glass-fiber reinforced, high-performance polyamide (HPPA). It is particularly suited for replacing die-cast metal in a variety of mechanical applications and components used in automotive, consumer goods, E/E, and construction. Components injection molded from Omnix® 4050 display exceptional mechanical properties and excellent surface appearance even after moisture adsorption. Features: Fast Molding Cycle; Good Dimensional Stability; Good Impact Resistance; Good Surface Finish; High Flow; High Stiffness; High Strength; Hot Water Moldability; Paintable Uses: Automotive Electronics; Electrical/Electronic Applications; Machinery Maintenance/Repair Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Omnix-4050-Polyamide-High-Performance-HPPA-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	Dry; ASTM D792

Thermal Properties	Metric	English	Comments
Melting Point	260 Â°C	500 Â°F	Dry; ISO 11357-3

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	250 Â°C	482 Â°F	
Front Barrel Temperature	285 Â°C	545 Â°F	
Melt Temperature	275 - 290 Â°C	527 - 554 Â°F	
Mold Temperature	80.0 - 120 Â°C	176 - 248 Â°F	
Drying Temperature	80.0 Â°C @Time 14400 - 43200 sec	176 Â°F @Time 4.00 - 12.0 hour	

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	North America	
Color	Black; Natural	
Form	Pellets	

Part Marking Code Descriptive Properties	-(PA+PPA)-GF50+ Value	ISO 11469 Comments
Processing Technique	Injection Molding; Water-Heated Mold Injection Molding	
RoHS Compliance	RoHS Compliant	

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