

## ParsaFill 39406BL

Fiber Filled Polypropylene

### Description

ParsaFill 39406BL, a 30% glass fiber-reinforced polypropylene copolymer, is designed for applications where a balance of stiffness and impact strength is required. This product also provides good heat resistance and dimensional stability.

### Characteristics

**Material Status:** Commercial: Active

**Filler/Reinforcement:** Glass Fiber , 30% by weight

**Appearance:** Black

**Form:** Pellets

**Processing Method:** Injection molding

### Applications

Automotive applications, Variety of engineering parts

### Properties

Physical	Value	Unit	Test Method
Density	1.07	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage		%	ASTM D955
Across Flow	0.3 - 0.6		
Flow	0.3 - 0.6		
Melt Flow Rate (MFR) (230°C/2.16 kg)	4 - 6	g/10min	ASTM D1238
Flammability	HB	-	UL 94
Mechanical	Value	Unit	Test Method
Tensile Modulus (50 mm/min)	4400	MPa	ASTM D638
Tensile Stress (50 mm/min)		MPa	ASTM D638
Yield	42		
Break	NA		

Tensile Strain (50 mm/min)		%	ASTM D638
Yield	6		
Break	NA		
Flexural Modulus	NA	MPa	ASTM D790
Flexural Stress @ Yield	NA	MPa	ASTM D790
Flexural Strain @ Yield	NA	%	ASTM D790
Charpy Notched Impact Strength		kJ/m <sup>2</sup>	ASTM D6110
@ 23 °C	15		
@ 0 °C	NA		
@ -20 °C	NA		
Charpy Unnotched Impact Strength		kJ/m <sup>2</sup>	ASTM D6110
@ 23 °C	> 35		
Izod Notched Impact Strength	NA	J/m	ASTM D256
Scratch Resistance (2N)	NA	MPa	ASTM G171-03
Hardness (Shore D, 15 sec, 23°C)	NA		ASTM D2240
<b>Thermal</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Heat Deflection Temperature		°C	ASTM D648
1.82 MPa, Unannealed	118		
0.455 MPa, Unannealed	NA		
Vicat Softening Temperature	NA	°C	ASTM D1525

**Notes:**

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