

Product Information



SP20G20CC100-PiPe

PolyCompounder

Code No. SPB-F-085

Product Description

PolyCompounder is a random copolymer polypropylene reinforced by 20% Glass Fiber. It has a high modulus and strength, high impact resistance and dimensional stability. This compound is used in automotive applications, appliance industry and other utility products and suitable for extrusion part application.

General Properties

Material Status: Commercial: Active

Filler/Reinforcement: Glass Fiber

Appearance: Natural

Form: Pellet

Processing Method: Extrusion

Physical Properties	Value	Unit	Test Method
Density:	1.09	g/cm ³	ASTM D792
Melt Flow Rate (MFR) (230°C , 2.16 Kg)	0.3	g/10min	ASTM D1238
Molding Shrinkage		%	ASTM D955
In Flow	0.5		
Cross Flow	0.9		
Mechanical Properties	Value	Unit	Test Method
Tensile Strength, Yield (23°C, 5 mm/min)	48 ≤	MPa	ASTM D638
Tensile Elongation, Yield	5.9	%	ASTM D638
Izod Impact Strength (23°C, Notched)	25 ≤	KJ/m ²	ASTM D256
Charpy Impact Strength (23°C, Notched)	-	KJ/m ²	ASTM D6110
Hardness (Shore D, 15 sec, 23°C)	67	-	ASTM D2240
Thermal Properties	Value	Unit	Test Method
Melting Point (Heating rate 10 °C/min)	170	°C	ASTM D3418

➤ All above mentioned data are typical values and not to be construed as real specifications.