

Razalen® P121M GR30-50

Razalen P121M GR30-50 is a general purpose injection grade black color copolymer polypropylene reinforced with 35% glass fibre. It combines good toughness as well as excellent processability, chemical, and fatigue resistance.

Properties	Test Method	Unit	Value
Physical			
Density	ASTM D 792	g/cm ³	1.15
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	4
Linear Mold Shrinkage	ASTM D 955	%	0.3

Mechanical			
Tensile Strength, Yield	ASTM D 638	MPa	68
Elongation at Break	ASTM D 638	%	4
Flexural Strength	ASTM D 790	MPa	108
Flexural Modulus	ASTM D 790	MPa	5100
Izod Impact, Notched @ 23 °C @ -30 °C	ASTM D 256	J/m	100

Thermal			
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ASTM D 648	°C	- 120
Vicat Softening point	ASTM D 1525	°C	-

Processing						
Drying:						
Drying Time:		2 – 4 hr		Drying Temperature:		80 - 100 °C
Injection Molding:						
Item	Rear Temp (°C)	Middle Temp (°C)	Front Temp (°C)	Melt Temp (°C)	Mold Temp (°C)	Inj. Pressure (Mpa)
Min	180	190	200	210	40	50
Max	200	210	220	230	70	150

The data contained in this publication are based on our current knowledge and experience. In view of the many actors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.