

<i>Razin™</i> Engineering Plastics		Quality Management System Product Information	
Form Code:7Te02F1	No.:B126GR35		

Razamid® B126 GR35

Razamid B126 GR35 is an injection grade heat stabilized black color polyamide 6 resin reinforced with 35% Glass Fiber. It combines good strength, stiffness and toughness as well as excellent heat, chemical and abrasion resistance, design for air take manifold.

Properties	Test Method	Unit	Value
Physical			
Density	ASTM D 792	g/cm ³	1.42
Linear Mold Shrinkage	ASTM D 955	%	0.4

Mechanical			
Tensile Strength, Yield	ASTM D 638	MPa	195
Elongation at Break	ASTM D 638	%	3
Flexural Strength	ASTM D 790	MPa	285
Flexural Modulus	ASTM D 790	MPa	11000
Izod Impact, Notched	ASTM D 256	KJ/m ²	20
@ 23 °C			
@ -30 °C			-

Thermal			
Melting Point	ASTM D 3418	°C	225
Deflection Temperature Under Load	ASTM D 648	°C	220
@ 0.46 MPa			
@ 1.8 MPa			212
Vicat Softening point	ASTM D 1525	°C	210

Electrical			
Surface Resistivity	IEC 60093	Ohm	10 ¹²
Volume Resistivity	IEC 60093	Ohm.cm	10 ¹³
Dielectric constant	ASTM D 150		-
Dielectric strength	ASTM D 149	KV/mm	-

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	220	240	255	270	80	55
Max	240	260	275	290	90	140

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.

Razin™ Engineering Plastics

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