

Razamid® B121

Polyamide 6

Razin™ Engineering Plastics

Message:

Razamid B121 is a general purpose injection grade black color polyamide 6 resin.

General Information			
Features	General Purpose		
Uses	General Purpose		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	75.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	105	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	3.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	190	°C	
1.8 MPa, Unannealed	70.0	°C	
Vicat Softening Temperature	200	°C	ASTM D1525
Peak Melting Temperature	210	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms · cm	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 110	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	220 to 245	°C	
Middle Temperature	225 to 260	°C	
Front Temperature	240 to 270	°C	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	25.0 to 95.0	°C	
Injection Pressure	35.0 to 140	MPa	

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Recommended distributors for this material

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