



Ravamid® B GF 50 BK

Ravago Manufacturing Europe - Polyamide 6

General Information

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight
Recycled Content	• Yes
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Molding Shrinkage			
Across Flow	0.20	%	
Flow	0.40	%	
Humidity	< 0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10100	MPa	ISO 527-1
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress (23°C)	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	11	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	220	°C	
Vicat Softening Temperature	230	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate ²	< 100	mm/min	ISO 3795
Flame Rating			UL 94
1.6 mm		HB	
3.2 mm		HB	
Glow Wire Flammability Index (2.0 mm)	650	°C	IEC 60695-2-12

Notes

¹ Typical properties: these are not to be construed as specifications.

² FMVSS 302