



Ravamid® B GF 15 BK45

Ravago Manufacturing Europe - Polyamide 6

General Information

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Recycled Content	• Yes
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Molding Shrinkage			
Across Flow	1.0	%	
Flow	0.75	%	
Humidity	< 0.20	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-1
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	6.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	200	°C	
Vicat Softening Temperature	205	°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