



Ravamid® B GF20 BK45

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Polyamide 6 black, containing recycled material, 20% glass fibre reinforced, also available Heat Stabilized (H) and UV Stabilized (UV)

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Recycled Content	• Yes
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Molding Shrinkage			
Across Flow	0.80	%	
Flow	0.20	%	
Humidity	< 0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-1
Tensile Stress (Break)	108	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	4600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Notched Izod Impact Strength	6.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	195	°C	ISO 75-2/A
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