



Ravamid® B GF20 BK

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Polyamide 6 black, containing recycled material, 20% glass fibre reinforced

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 (23°C)	5000	MPa	ISO 527-1
Tensile Stress (Break, 23°C)	102	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.2	%	ISO 527-2
Flexural Modulus (23°C)	4200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	190	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
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.