



Ravamid® B MGF 20/10 H BK27

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Polyamide 6 black, 20% mineral, 10% glass fiber filled, Heat Stabilized, deep black designed for high aesthetical applications

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight • Mineral, 20% Filler by Weight
Additive	• Heat Stabilizer
Recycled Content	• Yes
Features	• Heat Stabilized • Pleasing Surface Appearance
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	55	g/10 min	ISO 1133
Molding Shrinkage			
Across Flow	0.75	%	
Flow	0.30	%	
Humidity	< 0.20	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ISO 527-1
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	6400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-23°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	35	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	185	°C	
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