



Ravamid® B BK45

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Polyamide 6 Black containing recycled material, good mechanical properties, also available Heat Stabilized (H) and UV Stabilized (UV)

General

Material Status	• Commercial: Active
Availability	• Europe
Recycled Content	• Yes
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.3	%	ASTM D955
Humidity	< 0.25	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Melting Temperature	215 to 225	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating 1.6 mm	HB		UL 94
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.