



RAVAMID® B GF20 ST BK 45

Polyamide 6
Industrial Quality Compound

Description:

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

General

Density	ISO 1183	1,24	g/cm ³
Mold shrinkage (Parallel)		0,10	%
Mold shrinkage (Perpendicular)		0,80	%

Thermal

HDT/A (1,82MPa)	ISO 75A	160	°C
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Mechanical

Izod notched impact strength (23 °C)	ISO 180	9,5	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	9	kJ/m ²
Charpy unnotched impact strength (23 °C)	ISO 179	50	kJ/m ²
Tensile strength at break (23 °C)	ISO 527	95	MPa
Elongation at break (23 °C)	ISO 527	6	%
Tensile modulus (23 °C)	ISO 527	4800	MPa
Flexural modulus (23 °C)	ISO 178	4000	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	<100	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Humidity	ISO 960	< 0,15	%
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Remark:

PRELIMINARY