

Ravamid[®] B GF30 BK45

Polyamide 6
Industrial Quality Compound

Description:

Polyamide 6 black containing recycled material, 30% glass fiber reinforced, good mechanical properties, designed for automotive application. Also available Heat Stabilized (H) and UV Stabilized (UV)

General

Density	ISO 1183	1.35	g/cm ³
Mold shrinkage (Parallel)		0.25	%
Mold shrinkage (Perpendicular)		0.70	%

Thermal

HDT/A (1,82MPa)	ISO 75A	215	°C
Vicat softening point (B50 (50N))	ISO 306	220	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	8.5	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	8	kJ/m ²
Charpy unnotched impact strength (23 °C)	ISO 179	50	kJ/m ²
Tensile stress at break	ISO 527	132	MPa
Elongation at break	ISO 527	3.5	%
Tensile modulus	ISO 527	8600	MPa
Flex modulus	ISO 178	7800	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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