

Ravamid® B ST BK45

Polyamide 6
Industrial Quality Compound

Description:

Polyamide 6 black, containing recycled material, high impact modified, also available UV Stabilized (UV)

General

Density	ISO 1183	1.09	g/cm ³
Mold shrinkage (Parallel)		1,00	%
Mold shrinkage (Perpendicular)		1.06	%

Thermal

HDT/A (1,82MPa)	ISO 75A	50	°C
Vicat softening point (B50 (50N))	ISO 306	190	°C

Mechanical

Charpy notched impact strength (23 °C)	ISO 179	13	kJ/m ²
Tensile stress at yield	ISO 527	45	MPa
Tensile stress at break	ISO 527	35	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2100	MPa
Izod impact (+23°C (notched))	ISO 180	13	kJ/m ²

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Humidity	ISO 960	≤0,25	%
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