

Ravamid® B BK45

Polyamide 6
Industrial Quality Compound

Description:

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

General

Density	ISO 1183	1.14	g/cm ³
Mold shrinkage (Parallel)		1.06	%
Mold shrinkage (Perpendicular)		1.17	%

Thermal

HDT/A (1,82MPa)	ISO 75A	65	°C
Vicat softening point (B50 (50N))	ISO 306	205	°C
Melting point	ISO 11357-3	215-225	°C

Mechanical

Charpy notched impact strength (23 °C)	ISO 179/1eA	7.5	kJ/m ²
Charpy unnotched impact strength (23 °C)	ISO 179/1eU	45	kJ/m ²
Charpy notched impact strength (-30°C)	ISO 179	4.5	kJ/m ²
Tensile stress at yield	ISO 527	55	MPa
Tensile stress at break	ISO 527	45	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2500	MPa
Izod impact (-23°C (notched))	ISO 180/1A	4.5	kJ/m ²
Izod impact (+23°C (notched))	ISO 180/1A	7	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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The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. Ravago industrial quality compounds are totally or partially produced with non-prime quality ingredients. Even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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