

Ravamid® B BK45 SM

Polyamide 6
Industrial Quality Compound

Description:

Polyamide 6 black containing recycled material, self lubricating grade, 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	60	°C
Vicat softening point (B50 (50N))	ISO 306	200	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	7	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179/1eA	6.5	kJ/m ²
Tensile stress at yield	ISO 527	50	MPa
Tensile stress at break	ISO 527	40	MPa
Elongation at break	ISO 527	15	%
Flex modulus	ISO 178	2200	MPa

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	%
Coefficient of friction (static)	ASTM D3702	0.45	-
Coefficient of friction (dynamic)	ASTM D3702	0.38	-

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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