

# Ravamid® B GF50 BK45

Polyamide 6  
Industrial Quality Compound

## Description:

Polyamide 6 black containing recycled material, 50% glass fibre reinforced, good mechanical properties, also available Heat Stabilized (H) and UV Stabilized (UV)

## General

Density	ISO 1183	1.56	g/cm <sup>3</sup>
Mold shrinkage (Parallel)		0.4	%
Mold shrinkage (Perpendicular)		0.2	%

## Thermal

HDT/A (1,82MPa)	ISO 75A	220	°C
Vicat softening point (B50 (50N))	ISO 306	230	°C

## Mechanical

Izod notched impact strength (23°C)	ISO 180	10.5	kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C)	ISO 179	11	kJ/m <sup>2</sup>
Charpy unnotched impact strength (23 °C)	ISO 179	65	kJ/m <sup>2</sup>
Tensile stress at break	ISO 527	175	MPa
Elongation at break	ISO 527	2	%
Tensile modulus	ISO 527	11300	MPa
Flex modulus	ISO 178	9800	MPa
Flexural strength (+23°C)	ISO 178	180	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	≤0.10	%
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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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