

# Ravamid® B GF 30 BK SM

Polyamide 6  
Industrial Quality Compound

## Description:

Polyamide 6 black containing recycled material, 30% glass fibre reinforced, self lubricating grade (sulphide molybdenum modified, low coefficient of friction)

## General

Density	ISO 1183	1.35	g/cm <sup>3</sup>
Mold shrinkage (Parallel)		0.18	%
Mold shrinkage (Perpendicular)		0.85	%

## Thermal

HDT/A (1,82MPa)	ISO 75A	205	°C
Vicat softening point (B50 (50N))	ISO 306	215	°C

## Mechanical

Izod notched impact strength (23°C)	ISO 180/A	8.5	kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C)	ISO 179/1eA	8	kJ/m <sup>2</sup>
Charpy unnotched impact strength (23 °C)	ISO 179/1eU	50	kJ/m <sup>2</sup>
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	%
Coefficient of friction (static)	ASTM D3702	0.45	-
Coefficient of friction (dynamic)	ASTM D3702	0.38	-

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## Ravago Group Headquarters

Moerenstraat 85A  
B - 2370 Arendonk

Tel: +32 (0)14 67 25 11  
Fax: +32 (0)14 67 20 12

www.ravago.com  
manufacturing@ravago.com

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