

Ravamid® BGF30 BK45

Polyamide 6

Ravago Group

Message:

Black, 30% glass fibre reinforced, general purpose

All the products are also available Heat Stabilized (H) and UV Stabilized (UV)

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Recycled Content	Yes		
Features	General Purpose		
Uses	General Purpose		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.18 to 0.85	%	ASTM D955
Humidity	< 0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8600	MPa	ASTM D882, ISO 527-2
Tensile Strength (Break)	132	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	7800	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (Area) (23°C)	8.50	kJ/m ²	ASTM D256
Notched Izod Impact Strength (23°C)	8.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	205	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	215	°C	ISO 306/B50, ASTM D1525 1
Melting Temperature (DSC)	220	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Burning Rate (3.20 mm)	< 100	mm/min	FMVSS 302
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
NOTE			

1. Rate A (50°C/h), Loading 2 (50 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

