

Ravamid® B BK45

Polyamide 6

Ravago Group

Message:

Black, general purpose, medium viscosity

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

General Information			
Recycled Content	Yes		
Features	General Purpose		
	Medium Viscosity		
Uses	General Purpose		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	1.1 to 1.2	%	ASTM D955
Humidity	< 0.25	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638, ISO 527-2
Yield	50.0	MPa	
Break	40.0	MPa	
Tensile Elongation (Break)	60	%	ASTM D638, ISO 527-2
Flexural Modulus	2200	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.5	kJ/m ²	
23°C	7.5	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Notched Izod Impact (Area)			ASTM D256
-30°C	4.50	kJ/m ²	
23°C	7.00	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	4.5	kJ/m ²	
23°C	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	205	°C	ISO 306/B50, ASTM D1525 1
Melting Temperature (DSC)	215 to 230	°C	ISO 3146

Flammability	Nominal Value	Unit	Test Method
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)		

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