

AURAMID PAGF50 BK

Polyamide
Aurora Manufacturing Ltd

Message:
PAGF30 BK is a general purpose 50% glass filled black PA compound manufactured from recycled polymer.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Recycled Content	Yes		
Features	General Purpose		
Uses	General Purpose		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	155	MPa	ISO 527-2
Tensile Strain (Break)	< 5.0	%	ISO 527-2
Flexural Modulus	> 7500	MPa	ISO 178
Flexural Stress	> 200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 5.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 225	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 225	°C	ISO 75-2/A
Melting Temperature (DSC) ¹	255	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	235 to 285	°C	
Middle Temperature	235 to 285	°C	
Front Temperature	235 to 285	°C	
Mold Temperature	80.0	°C	
NOTE			
1.	10°C/min		

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