

OMIKRON BG 706 NERO

Polypropylene Homopolymer

TECNOPOL

Message:

OMIKRON BG 706 is an homopolymer polypropylene reinforced with 30% of glass fibre for injection moulding, high processability. It is available in natural and black version. Coloured on demand.

OMIKRON BG 706 is suitable for moulding of items requiring stiffness and dimensional stability .

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Rigid, good		
	Homopolymer		
	Workability, good		
Appearance	Black		
	Available colors		
	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	11	kJ/m ²	ISO 180
Aging	Nominal Value	Unit	Test Method
Accelerated Aging (150°C)	6.3	day	Internal method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	

Drying Time	2.0	hr
Rear Temperature	230 - 260	°C
Middle Temperature	230 - 260	°C
Front Temperature	230 - 260	°C
Mold Temperature	40.0 - 60.0	°C
Injection Pressure	9.00 - 11.0	MPa
Injection Rate	Moderate	
Back Pressure	0.500 - 1.00	MPa

Injection instructions

Post Pressure: 60 - 80 bar

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Recommended distributors for this material

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