

OMIKRON BGT 50 NAT

Polypropylene Copolymer
TECNOPOL

Message:

PP COPOLYMER, 20% GLASS FIBERS CHEMICALLY COUPLED, NATURAL

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Copolymer		
	Chemical coupling		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	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)	53.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	15	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)	135	°C	ISO 75-2/A
Vicat Softening Temperature	90.0	°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	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	220 - 260	°C	
Middle Temperature	220 - 260	°C	
Front Temperature	220 - 260	°C	
Mold Temperature	40.0 - 60.0	°C	

Injection Pressure	9.00 - 11.0	MPa
Injection Rate	Moderate	
Back Pressure	5.00 - 10.0	MPa

Injection instructions

Post Pressure: 60 - 80 bar

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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

