

OMIKRON BM 53 NAT

Polypropylene Homopolymer
TECNOPOL

Message:
PP HOMOPOLYMER, 20% GLASS FIBERS CHEMICALLY COUPLED, NATURAL

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	4000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	7.0	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)	138	°C	ISO 75-2/A
Vicat Softening Temperature	125	°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	210 - 250	°C	
Middle Temperature	210 - 250	°C	
Front Temperature	210 - 250	°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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