

# OMIKRON BE 937 NAT

Polypropylene Homopolymer

TECNOPOL

## Message:

OMIKRON BE 937 is an homopolymer polypropylene reinforced with 40% of glass fibre for injection moulding, high processability. Excellent performances in thermal and detergent resistance. It is available in natural. Coloured on demand.

OMIKRON BE 937 is suitable for moulding of items requiring stiffness and dimensional stability .

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	heat stabilizer		
Features	Good dimensional stability		
	Rigid, good		
	Homopolymer		
	Workability, good		
	Low temperature resistance		
	Detergent resistance		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	98.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	13	kJ/m²	ISO 180
Aging	Nominal Value	Unit	Test Method
Accelerated Aging (150°C)	> 2.7	month	Internal method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	148	°C	ISO 75-2/A
Vicat Softening Temperature	137	°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	90.0 - 110	MPa
Injection Rate	Moderate	
Back Pressure	5.00 - 10.0	MPa
Injection instructions		

Post Pressure: 60 to 80 bar

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#### Recommended distributors for this material

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