

OMIKRON NR 90 NAT

Polypropylene Homopolymer
TECNOPOL

Message:
PP HOMOPOLYMER, 40% TALCUM, NATURAL

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Homopolymer		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	2.5	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)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°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	90.0	°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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