

OMIKRON RMT 40 NERO 808

Polypropylene Copolymer
TECNOPOL

Message:

OMIKRON RMT 40 is an copolymer polypropylene filled with 15% of talc for injection moulding high processability. It is available in natural and black version. Coloured on demand.

OMIKRON RMT 40 is suitable for moulding of items requiring stiffness and dimensional stability well as good aesthetic, low gloss and scratch resistance.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Good dimensional stability		
	Rigid, good		
	Copolymer		
	Gloss, low		
	Workability, good		
	Scratch resistance		
Appearance	Black		
	Available colors		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
0°C	8.5	kJ/m ²	ISO 180
23°C	20	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)	53.0	°C	ISO 75-2/A
Vicat Softening Temperature	55.0	°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 - 260	°C	
Middle Temperature	210 - 260	°C	
Front Temperature	210 - 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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