

OMIKRON KRT 705 NERO 808

Polypropylene Copolymer

TECNOPOL

Message:

OMIKRON KRT 705 E is a copolymer polypropylene filled with 30% of talc for injection moulding, high workability. It is available in black version, coloured on demand. Omikron KRT 705 E has a good thermal and U.V. stabilisation.

OMIKRON KRT 705 is suitable for moulding of items requiring a good balance between impact and stiffness well as good aesthetic.

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Additive	UV stabilizer		
Features	Rigid, good Copolymer Impact resistance, good Good UV resistance Workability, good Excellent appearance		
Appearance	Black Available colors		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	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)	19.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
0°C	4.0	kJ/m ²	ISO 180
23°C	9.0	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)	62.0	°C	ISO 75-2/A
Vicat Softening Temperature	63.0	°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	210 - 240	°C	
Middle Temperature	210 - 240	°C	
Front Temperature	210 - 240	°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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