

Generic PP Copolymer - Mica

Polypropylene Copolymer

Generic

Message:

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This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Mica filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930 - 1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8 - 19	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.40 - 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	39 - 55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1100 - 4830	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	15.0 - 24.4	MPa	ASTM D638
Fracture, 23°C	13.0 - 18.2	MPa	ASTM D638
23°C	20.0 - 31.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	2.0 - 5.0	%	ASTM D638
Fracture, 23°C	3.0 - 17	%	ASTM D638
Flexural Modulus (23°C)	1450 - 3280	MPa	ASTM D790
Flexural Strength (23°C)	21.0 - 41.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32 - 150	J/m	ASTM D256
Dart Drop Impact (23°C)	0.565 - 4.16	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	74.4 - 132	°C	ASTM D648
1.8 MPa, not annealed	54.2 - 88.5	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	73.9 - 74.3	°C	
Drying Time	1.5	hr	
Suggested Max Moisture	0.050 - 0.054	%	
Rear Temperature	207 - 222	°C	
Middle Temperature	213 - 219	°C	
Front Temperature	217 - 225	°C	

Nozzle Temperature	215 - 228	°C
Mold Temperature	37.6 - 38.1	°C
Injection instructions		

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