

Generic PP Homopolymer - Mica

Polypropylene Homopolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP Homopolymer - Mica
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Mica filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.971 - 1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0 - 18	g/10 min	ASTM D1238
Molding Shrinkage			
Flow: 23°C	0.50 - 1.3	%	ASTM D955
23°C	0.65 - 1.3	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	35 - 113		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1800 - 4140	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	30.9 - 37.2	MPa	ASTM D638
Fracture, 23°C	26.9 - 31.1	MPa	ASTM D638
23°C	29.6 - 35.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	2.9 - 7.1	%	ASTM D638
Fracture, 23°C	3.0 - 20	%	ASTM D638
Flexural Modulus (23°C)	1720 - 5340	MPa	ASTM D790
Flexural Strength (23°C)	35.9 - 55.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	26 - 54	J/m	ASTM D256
Unnotched Izod Impact (23°C)	93 - 420	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	112 - 138	°C	ASTM D648
1.8 MPa, not annealed	57.2 - 91.7	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	84.2 - 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	205 - 233	°C	
Mold Temperature	18.3 - 65.0	°C	

Injection instructions

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