

Generic PP Homopolymer - Wollastonite

(CaSiO3)

Polypropylene Homopolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP Homopolymer - Wollastonite (CaSiO3)

This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Wollastonite (CaSiO3)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958 to 1.25	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 to 21	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.60 to 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	78 to 96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1600 to 3640	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	30.0 to 35.1	MPa	
Break, 23°C	23.0 to 30.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	4.0 to 7.0	%	
Break, 23°C	10 to 20	%	
Flexural Modulus (23°C)	1590 to 4220	MPa	ASTM D790
Flexural Strength (23°C)	41.7 to 42.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	28 to 45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	106 to 130	°C	
1.8 MPa, Unannealed	60.0 to 82.2	°C	

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