

Generic Phenolic - Cellulose

Phenolic

Generic

Message:

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

General Information			
Filler / Reinforcement	Fiber filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37 - 1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.19 - 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.28 - 0.61	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	65 - 115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	40.8 - 48.3	MPa	ASTM D638
Flexural Modulus (23°C)	6950 - 9030	MPa	ASTM D790
Flexural Strength (23°C)	68.3 - 76.0	MPa	ASTM D790
Compressive Strength (23°C)	103 - 194	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	17 - 110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	159 - 191	°C	ASTM D648
CLTE - Flow	1.0E-5 - 6.7E-5	cm/cm/°C	ASTM D696
Thermal Conductivity (23°C)	0.29 - 0.64	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	0.98 - 12	kV/mm	ASTM D149
Arc Resistance	15.0 - 177	sec	ASTM D495
Injection	Nominal Value	Unit	
Rear Temperature	60.0 - 60.4	°C	
Nozzle Temperature	87.8 - 98.9	°C	
Processing (Melt) Temp	104 - 107	°C	
Mold Temperature	166 - 177	°C	
Back Pressure	0.300 - 10.0	MPa	
Injection instructions			

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Recommended distributors for this material

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