

Generic PBT+PET - Mineral

Polybutylene Terephthalate + PET

Generic

Message:

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

General Information			
Filler / Reinforcement	Mineral filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44 - 1.54	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.70 - 0.86	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	48.9 - 60.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.8 - 4.2	%	ASTM D638
Flexural Modulus (23°C)	3600 - 5120	MPa	ASTM D790
Flexural Strength (23°C)	83.4 - 148	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29 - 41	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	105 - 200	°C	ASTM D648
1.8 MPa, not annealed	68.8 - 200	°C	ASTM D648
Vicat Softening Temperature	175 - 180	°C	ISO 306
Injection	Nominal Value	Unit	
Drying Temperature	120 - 121	°C	
Drying Time	3.5 - 4.5	hr	
Suggested Max Moisture	0.020 - 0.025	%	
Rear Temperature	246 - 250	°C	
Middle Temperature	252 - 255	°C	
Front Temperature	257 - 260	°C	
Nozzle Temperature	252 - 260	°C	
Processing (Melt) Temp	257 - 260	°C	
Mold Temperature	76.5 - 90.0	°C	
Injection instructions			

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