

LONGLITE® PBT 7020-200X

Polybutylene Terephthalate + ASA

CCP Group

Message:

PBT/ASA 7020-200X is a 20% glass fiber reinforced natural color injection molding grade.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.70 to 1.3	%	
Flow	0.10 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	105	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.8	%	ISO 527-2
Flexural Modulus (23°C)	5300	MPa	ISO 178
Flexural Stress (23°C)	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Melting Temperature	225	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Electric Strength (2.00 mm)	20	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (260°C)	220	Pa·s	ISO 11443
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	60.0 to 100	°C	

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