

LONGLITE® PBT 7020-104X

Polybutylene Terephthalate + ASA

CCP Group

Message:

PBT/ASA 7020-104X is a 20% glass fiber reinforced black color injection molding grade.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Black		
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)	100	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)	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

