

PBT-1100

PBT

ChangChun Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.014	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.017	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength	54	MPa	ASTM D 638
Flexural Modulus	1962	MPa	ASTM D 790
Flexural Strength	78	MPa	ASTM D 790
Rockwell Hardness	M 87	-	ASTM D 785
Izod Impact notched, 1/4 in	51.9	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	90	E-6/K	ASTM D 696
DTUL @ 66 psi	155	°C	ASTM D 648
DTUL @ 264 psi	60	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.001	-	ASTM D 150
Dielectric Constant, 60 Hz	3.3	-	ASTM D 150
Surface Resistivity	1E13	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	120	s	ASTM D 495
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.06	%	ASTM D 570
Density	1310	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Regional Availability

Asia Pacific