

# PBT 3020-104

ChangChun Group  
PBT-GF20

**Processing**

Injection molding

Low warpage

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Chemical Resistance**

Solvent resistance, Oil resistance

**Applications**

Automotive, Electrical and electronical

**Features**

Processing/Physical Characteristics	Value	Unit	Standard
Mold shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold shrinkage, TD	0.015	mm/mm	ASTM D 955
Mechanical Properties	Value	Unit	Standard
Tensile strength	98.1	MPa	ASTM D 638
Flexural modulus	5886	MPa	ASTM D 790
Flexural strength	157	MPa	ASTM D 790
Rockwell hardness	M 90		ASTM D 785
Izod impact notched, 1/4 in	51.88	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
UL 94 flame rating	HB		UL 94
Thickness tested	0.8	mm	
Coefficient of thermal expansion, MD	45	E-6/K	ASTM D 696
DTUL @ 66 psi	220	°C	ASTM D 648
DTUL @ 264 psi	200	°C	ASTM D 648
Melting temperature	225	°C	ASTM D 3418
Electrical Properties	Value	Unit	Standard
Dielectric strength, short time	20	kV/mm	ASTM D 149
Dissipation factor, 60 Hz	0.001		ASTM D 150
Dielectric constant, 60 Hz	3.5		ASTM D 150
Surface resistivity	1E13	Ohm	ASTM D 257

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Electrical Properties	Value	Unit	Standard
Volume resistivity	1E15	Ohm*cm	ASTM D 257
Arc resistance	100	s	ASTM D 495

  

Other Properties	Value	Unit	Standard
Water absorption, 24hr	0.04	%	ASTM D 570
Density	1440	kg/m <sup>3</sup>	ASTM D 792