

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	4000	MPa	ISO 527
Stress at break	65	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	4400	MPa	ISO 178
Flexural strength	110	MPa	ISO 178
Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Break	74	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	4510	MPa	ASTM D 790
Flexural Strength	118	MPa	ASTM D 790
Izod Impact notched, 1/8 in	59	J/m	ASTM D 256
Izod Impact notched, 1/4 in	59	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	123	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	131	°C	ISO 75-1/-2
Vicat softening temperature, B	135	°C	ISO 306
Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.7	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 100Hz	3.4	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
Dissipation factor, 100Hz	10	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	90	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	175	-	IEC 60112
Other properties			
Density	1340	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	>5	h	-
Melt temperature	290 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Panlite® G-3120PH

PC-GF20

Teijin Chemicals Ltd.

Processing

Injection Molding

Delivery form

Pellets

Features

Creep Resistance

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa