

G-PAEK™ 1100G

PEK

Gharda Plastics Limited

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.013	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4200	MPa	ASTM D 638
Tensile Strength	110	MPa	ASTM D 638
Elongation at Break	23	%	ASTM D 638
Flexural Modulus	4100	MPa	ASTM D 790
Flexural Strength	185	MPa	ASTM D 790
Rockwell Hardness	M 103	-	ASTM D 785
Shore D Hardness	86	-	ASTM D 2240
Izod Impact notched, 1/8 in	60	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 264 psi	167	°C	ASTM D 648
Melting Temperature	372	°C	ASTM D 3418
Glass Transition Temperature	152	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Regional Availability

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