

GAPEKK 3100G

PEKK

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	0.012	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	4000	MPa	ASTM D 638
Tensile Strength	110	MPa	ASTM D 638
Elongation at Break	13	%	ASTM D 638
Flexural Modulus	4400	MPa	ASTM D 790
Flexural Strength	190	MPa	ASTM D 790
Shore D Hardness	89	-	ASTM D 2240
Izod Impact notched, 1/8 in	26	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 264 psi	178	°C	ASTM D 648
Melting Temperature	396	°C	ASTM D 3418
Glass Transition Temperature	160	°C	ASTM E 1356
Other properties			
Density	1310	kg/m ³	ASTM D 792

Characteristics**Processing**

Coating

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

Oil Resistance, Radiation Resistance

Applications

Automotive, Electrical and Electronical, Medical

Regional Availability

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