

GADEL 2100

PAEK

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	0.011	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	3800	MPa	ASTM D 638
Tensile Strength	101	MPa	ASTM D 638
Elongation at Break	12	%	ASTM D 638
Flexural Modulus	4200	MPa	ASTM D 790
Flexural Strength	165	MPa	ASTM D 790
Shore D Hardness	88	-	ASTM D 2240
Izod Impact notched, 1/8 in	35	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 264 psi	153	°C	ASTM D 648
Melting Temperature	344	°C	ASTM D 3418
Glass Transition Temperature	144	°C	ASTM E 1356
Other properties			
Density	1300	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Oil Resistance, Radiation Resistance

Applications

Aircraft and Aerospace, Automotive, Chemical Process, Electrical and Electronical

Regional Availability

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