

GADEL 2300

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	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4100	MPa	ASTM D 638
Tensile Strength	100	MPa	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	6000	MPa	ASTM D 790
Flexural Strength	185	MPa	ASTM D 790
Shore D Hardness	87	-	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			
DTUL @ 264 psi	160	°C	ASTM D 648
Melting Temperature	372	°C	ASTM D 3418
Glass Transition Temperature	154	°C	ASTM E 1356

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

Characteristics**Processing**

Other Extrusion

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