

G-PAEK™ 1220FE

(PEK+PTFE)

Gharda Plastics Limited

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.014	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.019	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3600	MPa	ASTM D 638
Tensile Strength	85	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	4100	MPa	ASTM D 790
Flexural Strength	164	MPa	ASTM D 790
Izod Impact notched, 1/8 in	45	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	250	°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	1400	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Tribologic Grade

Chemical Resistance

General Chemical Resistance

Regional Availability

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