

OXPEKK-IG240C

PEKK-CF40

Oxford Performance Materials

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	35000	MPa	ASTM D 638
Tensile Strength at Break	269	MPa	ASTM D 638
Elongation at Break	1	%	ASTM D 638
Compressive Strength	241	MPa	ASTM D 695
Flexural Modulus	30000	MPa	ASTM D 790
Flexural Strength	300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	96.1	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	10.8	E-6/K	ASTM D 696
DTUL @ 264 psi	327	°C	ASTM D 648
Melting Temperature	360	°C	ASTM D 3418
Glass Transition Temperature	163	°C	ASTM E 1356
Other properties			
Water Absorption, 24hr	0.03	%	ASTM D 570
Density	1470	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Regional Availability

North America

Applications

Medical