

OXPEKK-IG100

PEKK

Oxford Performance Materials

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	40	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	8.4	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Modulus	3450	MPa	ASTM D 638
Tensile Strength at Yield	103	MPa	ASTM D 638
Tensile Strength at Break	89.6	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Compressive Strength	103	MPa	ASTM D 695
Flexural Modulus	3380	MPa	ASTM D 790
Rockwell Hardness	M 86	-	ASTM D 785
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
Coefficient of Thermal Expansion, MD	77	E-6/K	ASTM D 696
DTUL @ 264 psi	141	°C	ASTM D 648
Melting Temperature	307	°C	ASTM D 3418
Glass Transition Temperature	155	°C	ASTM E 1356
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	23.6	kV/mm	ASTM D 149
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1280	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Applications

Medical

Features

Amorphous

Regional Availability

North America