

**OXPEKK-MG240C**

PEKK-CF40

Oxford Performance Materials

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

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America

**Applications**

Medical