

OXPEKK-MG300

PEKK

Oxford Performance Materials

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	8.4	kg	-
Mold Shrinkage, MD	0.014	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4410	MPa	ASTM D 638
Tensile Strength at Yield	138	MPa	ASTM D 638
Tensile Strength at Break	110	MPa	ASTM D 638
Elongation at Yield	4.5	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Compressive Strength	207	MPa	ASTM D 695
Flexural Modulus	4550	MPa	ASTM D 790
Rockwell Hardness	M 88	-	ASTM D 785
Izod Impact notched, 1/8 in	64.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	21.1	E-6/K	ASTM D 696
DTUL @ 264 psi	175	°C	ASTM D 648
Melting Temperature	360	°C	ASTM D 3418
Glass Transition Temperature	163	°C	ASTM E 1356

Electrical properties	Value	Unit	Test Standard
ASTM Data			
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	1310	kg/m ³	ASTM D 792

Characteristics**Processing**

Other Extrusion

Applications

Medical

Features

High Crystallinity

Regional Availability

North America