

# Generic PEEK - Nano, Carbon

Polyetheretherketone

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PEEK - Nano, Carbon  
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Carbon nano filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32 - 1.49	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (23°C)	0.25 - 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3920 - 13100	MPa	ASTM D638
Tensile Strength (23°C)	82.7 - 190	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	2.0 - 3.0	%	ASTM D638
Flexural Modulus (23°C)	4110 - 12900	MPa	ASTM D790
Flexural Strength (23°C)	165 - 286	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	47 - 80	J/m	ASTM D256
Unnotched Izod Impact (23°C)	370 - 930	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.1E+2 - 1.3E+8	ohms	ASTM D257
Volume Resistivity (23°C)	10 - 2.5E+4	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	120 - 150	°C	
Drying Time	3.0 - 7.0	hr	
Processing (Melt) Temp	374 - 390	°C	
Mold Temperature	180 - 191	°C	
Injection instructions			

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