

Generic PAEK

Polyaryletherketone

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29 - 1.53	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.022 - 0.21	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	2900 - 3670	MPa	ASTM D638
23°C	3000 - 19400	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	0.90 - 42	%	ASTM D638
Fracture, 23°C	0.90 - 41	%	ISO 527-2
Flexural Modulus			
23°C	2880 - 10600	MPa	ASTM D790
23°C	2500 - 17000	MPa	ISO 178
Flexural Stress (23°C)	106 - 290	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.5 - 7.6	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	152 - 170	°C	DSC
Electrical	Nominal Value	Test Method	
Dielectric Constant (23°C)	3.06 - 3.12	ASTM D150	
Injection	Nominal Value	Unit	
Drying Temperature	135 - 152	°C	
Drying Time	4.0	hr	
Rear Temperature	354 - 380	°C	
Middle Temperature	365 - 380	°C	
Front Temperature	370 - 386	°C	
Nozzle Temperature	373 - 381	°C	
Mold Temperature	163 - 205	°C	
Injection instructions			

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