

TECHNICAL DATA SHEET

Basic Information

Edition (202111)

Product name	Polyetheretherketone Resin
Product grade	8800G
Brand	PFLUON

Specifications

Properties	Test Standard	Test Conditions	Unit	Typical Value
Mechanical Properties				
Tensile Strength	ISO 527	23°C	MPa	105
Tensile Strain at Break	ISO 527	23°C	%	20
Tensile Modulus	ISO 527	23°C	GPa	4.0
Flexural Strength	ISO 178	23°C	MPa	170
Flexural Modulus	ISO 178	23°C	GPa	4.1
Charpy Impact Strength	ISO 179/1eA	23°C	KJ/m ²	5.0
Thermal Properties				
Melting Point	ISO 11357	DSC	°C	343
Glass Transition Temp.	ISO 11357	DSC	°C	150
Other Properties				
Density	ISO 1183	23°C	g/cm ³	1.3
Shore D Hardness	ISO 868	23°C	-	85
Melt Flow Rate	ISO 1133	380°C, 5Kg	g/10min	85
Flammable Grade	IEC 60695	1.6mm	-	V-0

Typical Processing Conditions	
Drying Temperature / Time	150°C / 3h or 120°C / 5h (residual moisture <0.02%)
Temperature Settings	355 / 360 / 365 / 370 / 370°C (Nozzle)
Hopper Temperature	Not greater than 100°C
Mould Temperature	170°C - 200°C
Gate	> 1mm or 0.5 x part thickness

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