

TECHNICAL DATA SHEET

Basic Information

Edition (202111)

Product name	Polyetheretherketone Resin
Product grade	8900G
Brand	PFLUON

Specifications

Properties	Test Standard	Test Conditions	Unit	Typical Value
Mechanical Properties				
Tensile Strength	ISO 527	23°C	MPa	107
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	4.2
Charpy Impact Strength	ISO 179/1eA	23°C	KJ/m ²	4.0
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	-	86
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	350 / 355/ 360 / 365 / 365°C (Nozzle)
Hopper Temperature	Not greater than 100°C
Mould Temperature	170°C - 200°C
Gate	> 1mm or 0.5 x part thickness

Statement: This certificate has been prepared with care and the best of our knowledge as part of the testing system of ZHEJIANG PFLUON TECHNOLOGY CO., LTD. However, it does not relieve our customers of their obligation to inspect the goods upon receipt or establish any warranties to third parties, and it is only a reference to the general basic performance information of the product. The document issued electronically, valid without signature.

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