

Dexnyl® PF 8100FP

TYPICAL DATA SHEET

Basic Information

Edition (202111)

Product Name	Polyetheretherketone Resin
Product Grade	8100FP
Brand	Dexnyl PF 8100FP

Specifications

Properties	Test Standard	Test Conditions	Unit	Typical Value
Mechanical Properties				
Tensile Strength	ISO 527	23°C	MPa	96
Tensile Strain at Break	ISO 527	23°C	%	30
Tensile Modulus	ISO 527	23°C	GPa	3.5
Flexural Strength	ISO 178	23°C	MPa	160
Flexural Modulus	ISO 178	23°C	GPa	3.8
Charpy Impact Strength	ISO 179/1eA	23°C	KJ/m²	8.0
Thermal Properties				
Melting Point	ISO 11357	DSC	°C	343
HDT	ISO 75	1.8Mpa	°C	152
Other Properties				
Bulk Density	GB/T23771	-	g/100ml	30
Particle Size	ISO 13320	-	µm	50
Water content	PFL-TM-04	105°C,3min	%	0.2
Colour, L	PFL-TM-66	D65/10°	-	63

Statement: This certificate has been prepared with care and the best of our knowledge as part of the testing system of our supplier. 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.

Fluidity				
Melt Viscosity	PFL-TM-51	380°C,77Hz	Pas	620

Processing Guidance

Typical Processing Conditions	
Drying Temperature / Time	150°C / 3h or 120°C / 5h (residual moisture <0.02%)
Processing Temperature	380-400°C

Notes

- 1、 The data of mechanical properties and color L values are obtained according to the corresponding standards.
- 2、 The processing conditions in the process guidance are the typical conditions used by our laboratory, the actual process needs to be properly adjusted according to the geometric shape and hardware status of the parts.

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