ZYPEEK® 770GL20

PEEK-GF

Jilin Joinature Polymer Co.,Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**6.5**	g/10min	ISO 1133
Temperature	**380**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	**155**	MPa	ISO 527
Strain at break	**3.3**	%	ISO 527
Flexural modulus, 23°C	**8800**	MPa	ISO 178
Charpy impact strength, +23°C	**45**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**60**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**7.5**	kJ/m²	ISO 180/1A
Shore D hardness	**86**	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**343**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**143**	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**315**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**20**	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Dissipation factor, 1MHz	**500**	E-4	IEC 62631-2-1
Volume resistivity	**1E14**	Ohm*m	IEC 62631-3-1
Electric strength	**24**	kV/mm	IEC 60243-1
Comparative tracking index	**150**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.4**	%	Sim. to ISO 62
Density	**1430**	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Creep Resistance

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Asia Pacific