

ZYPEEK® 330FC30
(PEEK+PTFE)-(CF+Z)20

Jilin Joinature Polymer Co.,Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 14 | g/10min | ISO 1133 |
| Temperature | 380 | °C | - |
| Load | 5 | kg | - |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.7 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Stress at break | 150 | MPa | ISO 527 |
| Strain at break | 2 | % | ISO 527 |
| Flexural modulus, 23°C | 11500 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 30 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 4 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | 30 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 5 | kJ/m ² | ISO 180/1A |
| Shore D hardness | 83 | - | 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 | 12 | E-6/K | ISO 11359-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|---------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 1000000 | Ohm*m | IEC 62631-3-1 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|----------------|
| Water absorption | 0.3 | % | Sim. to ISO 62 |
| Density | 1450 | kg/m ³ | ISO 1183 |

Characteristics

Processing

Injection Molding, Other Extrusion

Additives

Lubricants

Special Characteristics

Flame retardant

Features

Tribologic Grade

Applications

Electrical and Electronical

Regional Availability

Asia Pacific