

DynaMix™ 3331

Polyetheretherketone

Polymer Dynamix

Message:

- Modified PEEK
- Features:
 - Great Chemical Resistance
 - Excellent Processability
 - Good Dimensional Stability
 - High Flow
- Applications:
 - Aviation
 - Electronics
 - Industrial

| General Information | | | |
|---|------------------------------------|-------|-------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Features | Good Chemical Resistance | | |
| | Good Dimensional Stability | | |
| | Good Processability | | |
| | High Flow | | |
| Uses | Aircraft Applications | | |
| | Electrical/Electronic Applications | | |
| | Industrial Applications | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.52 | g/cm³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 179 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.5 | % | ASTM D638 |
| Flexural Modulus | 11200 | MPa | ASTM D790 |
| Flexural Strength | 279 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 80 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C, 3.18 mm) | 770 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 316 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (1.59 mm) | V-0 | | UL 94 |
| Extrusion | Nominal Value | Unit | |

| | | |
|-----------------------|------------|----|
| Drying Temperature | 132 to 149 | °C |
| Drying Time | 3.0 to 5.0 | hr |
| Cylinder Zone 1 Temp. | 182 to 193 | °C |
| Cylinder Zone 3 Temp. | 193 to 199 | °C |
| Cylinder Zone 5 Temp. | 196 to 202 | °C |
| Melt Temperature | 199 to 204 | °C |
| Die Temperature | 196 to 204 | °C |

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