

DynaMix™ 3334

Polyetheretherketone

Polymer Dynamix

Message:

- 30% Glass Filled PEEK
- Features:
 - Great Chemical Resistance
 - Excellent Processability
 - Good Dimensional Stability
- Applications:
 - Aviation
 - Industrial
 - Electronics

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
Uses	Aircraft Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	171	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	11400	MPa	ASTM D790
Flexural Strength	256	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	> 850	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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