

DynaMix Lite™ 3244-GB

Polyetheretherketone

Polymer Dynamix

Message:

Glass Bead Filled PEEK
Features:
Excellent Processability
Low Density
Good Dimensional Stability
Excellent Chemical Resistance
Applications:
Gears & Bearings
Industrial
Small Appliances

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Low Density		
Uses	Appliances		
	Bearings		
	Gears		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4830	MPa	ASTM D638
Tensile Strength (Yield)	82.7	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	349 to 382	°C	

Middle Temperature	354 to 388	°C
Front Temperature	360 to 393	°C
Nozzle Temperature	360 to 399	°C
Processing (Melt) Temp	343 to 399	°C
Mold Temperature	149 to 218	°C
Injection Rate	Moderate	
Screw Speed	40 to 70	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm ²

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