

DynaMix™ 3201-L

Polyetheretherketone

Polymer Dynamix

Message:

- Modified PEEK
- Features:
 - Excellent Chemical and Radiation Resistance
 - Low Temperature Flexibility
 - Good Dimensional Stability
- Applications:
 - Automotive
 - Industrial
 - Military/Aerospace

General Information			
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Radiation (Gamma) Resistant		
Uses	Aerospace Applications		
	Automotive Applications		
	Industrial Applications		
	Military Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (400°C/2.16 kg)	29 to 35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	82.7	MPa	
Break	75.8	MPa	
Tensile Elongation			ASTM D638
Yield	5.0 to 7.0	%	
Break	> 40	%	
Flexural Modulus	29000	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Elec	> 170	°C	UL 746
RTI Imp	> 170	°C	UL 746

RTI Str	> 170	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	332 to 360	°C	
Middle Temperature	338 to 366	°C	
Front Temperature	343 to 377	°C	
Nozzle Temperature	343 to 377	°C	
Processing (Melt) Temp	343 to 377	°C	
Mold Temperature	177 to 204	°C	
Injection Rate	Moderate		
Screw Speed	40 to 70	rpm	
Clamp Tonnage	4.1 to 6.9	kN/cm ²	

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