

DynaMix™ 3200-L

Polyetheretherketone

Polymer Dynamix

Message:

- Low Viscosity PEEK
- Features:
 - Excellent Chemical Resistance
 - Low Temperature Impact Resistance
 - Good Dimensional Stability
- Applications:
 - Automotive
 - Industrial
 - Military

General Information			
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Low Temperature Impact Resistance		
	Low Viscosity		
Uses	Automotive Applications		
	Industrial Applications		
	Military Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (400°C/2.16 kg)	0.50 to 0.90	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	100	MPa	
Break	100	MPa	
Tensile Elongation			ASTM D638
Yield	5.0 to 6.0	%	
Break	10 to 20	%	
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	320	°C	ASTM D648

Injection	Nominal Value	Unit
Drying Temperature	138 to 149	°C
Drying Time	3.0 to 5.0	hr
Rear Temperature	343 to 360	°C
Middle Temperature	357 to 371	°C
Front Temperature	366 to 382	°C
Nozzle Temperature	366 to 382	°C
Processing (Melt) Temp	366 to 382	°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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