

DynaMix™ 3200-H

Polyetheretherketone

Polymer Dynamix

Message:

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

General Information			
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	High Viscosity		
	Low Temperature Impact Resistance		
Uses	Aerospace Applications		
	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)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	95.8	MPa	
Break	96.2	MPa	
Tensile Elongation			ASTM D638
Yield	5.0 to 6.0	%	
Break	20 to 30	%	
Flexural Modulus	3720	MPa	ASTM D790
Flexural Strength	155	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

Deflection Temperature Under Load (1.8 MPa, Unannealed)	315	°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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