

DynaMix™ 3216-HF

Polyetheretherketone

Polymer Dynamix

Message:

High Flow PEEK
Features:
Excellent Chemical Resistance
Ideal for Thin Wall Molding
Good Dimensional Stability
Applications:
Automotive
Industrial
Military

General Information			
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	High Flow		
Uses	Automotive Applications		
	Industrial Applications		
	Military Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	93.8	MPa	
Break	95.8	MPa	
Tensile Elongation			ASTM D638
Yield	6.0 to 8.0	%	
Break	35 to 40	%	
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength	134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	252	°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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

