

EdgetekTM PK-000/000 EM Natural Polyetheretherketone

Key Characteristics

roduct Description	,		
High viscosity un-filled PEEK	resin		
eneral			
Material Status	 Commercial: Active 		
Regional Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Features	 High Heat Resistance 	 Specialty Grade 	
Uses	Aerospace ApplicationsAutomotive Applications	Industrial ApplicationsMedical/Healthcare Applications	
Appearance	 Natural Color 		
Forms	 Pellets 		
Processing Method	 Injection Molding 		

Technical Properties 1

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Typical Value (English)	Typical Value (SI)	Test Method
1.30	1.30	ASTM D792
0.70 to 1.2 %	0.70 to 1.2 %	ISO 294-4
Typical Value (English)	Typical Value (SI)	Test Method
537000 psi	3700 MPa	ASTM D638
14200 psi	98.0 MPa	ASTM D638
> 20 %	> 20 %	ASTM D638
486000 psi	3350 MPa	ASTM D790
21000 psi	145 MPa	ASTM D790
Typical Value (English)	Typical Value (SI)	Test Method
1.1 ft·lb/in	60 J/m	ASTM D256
No Break	No Break	ASTM D256
Typical Value (English)	Typical Value (SI)	Test Method
		ASTM D648
295 °F	146 °C	
289 °F	143 °C	ASTM D3418
648 °F	342 °C	ASTM D3418
Typical Value (English)	Typical Value (SI)	Test Method
> 1.0E+15 ohms	> 1.0E+15 ohms	ASTM D257
	1.30 0.70 to 1.2 % Typical Value (English) 537000 psi 14200 psi > 20 % 486000 psi 21000 psi Typical Value (English) 1.1 ft·lb/in No Break Typical Value (English) 295 °F 289 °F 648 °F Typical Value (English)	0.70 to 1.2 % 0.70 to 1.2 % Typical Value (English) Typical Value (SI) 537000 psi 3700 MPa 14200 psi 98.0 MPa > 20 % > 20 % 486000 psi 3350 MPa 21000 psi 145 MPa Typical Value (English) Typical Value (SI) 1.1 ft·lb/in 60 J/m No Break No Break Typical Value (English) Typical Value (SI) 295 °F 146 °C 289 °F 143 °C 648 °F 342 °C Typical Value (English) Typical Value (SI)

Processing Information

Injection	Typical Value (English)	Typical Value (SI)	
Drying Temperature	302 to 320 °F	150 to 160 °C	
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr	
Processing (Melt) Temp	662 to 734 °F	350 to 390 °C	
Mold Temperature	356 to 392 °F	180 to 200 °C	

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Injection Notes

Injection Pressure: MED-HIGH Hold Pressure: MED-HIGH Screw Speed: MODERATE Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.

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