

Vexel 4200 SEO

Polybutylene Terephthalate

Custom Resins Group

Message:

Vexel 4200 SEO is a 30% glass reinforced, flame retardant polybutylene terephthalate polyester material. Vexel products have exceptional electrical properties, are quite strong, and are especially stiff, but are typically more brittle than similar nylon products. Vexel PBT is typically used for electrical components, especially with higher voltage requirements, for high heat housings and brackets, and for other functional components where the moisture absorption of nylon may be problematic.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
	Good Stiffness		
	High Heat Resistance		
	High Strength		
Uses	Electrical Housing		
	Electrical Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30 to 0.50	%	
Across Flow	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	204	°C	
Melting Temperature	227	°C	

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Recommended distributors for this material

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