

# Vexel 120GF30 FR

Polybutylene Terephthalate

Custom Resins Group

Message:

30% glass fiber reinforced flame retardant PBT molding resin  
Listed with a UL yellow card in black color, and a similar grade is available in natural  
Suitable for housings, enclosures, bobbins, and other applications which require good electrical properties and flame retardancy

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
Uses	Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	191	°C	
Peak Melting Temperature	227	°C	ASTM D3418

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