

Vexel B12U FR

Polybutylene Terephthalate

Custom Resins Group

Message:

Unreinforced, flame retardant PBT injection molding resin
Resistance to heat, chemicals, and electricity typical of unreinforced polyester resins, combined with a flame retardant package
Suitable for uses such as connectors, housings, and other applications which require PBT and flame retardancy

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Chemical Resistance		
	Medium Heat Resistance		
Uses	Connectors		
	Housings		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	49.0	MPa	ASTM D638
Flexural Modulus	2590	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	160	°C	
1.8 MPa, Unannealed	65.6	°C	
Peak Melting Temperature	227	°C	ASTM D3418

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