

VAMPSTAT C 10C 04 V0 28

Polycarbonate

Vamp Tech

Message:

PC 10% carbon fiber reinforced, UL 94 V0 at 1,6 mm, halogen free, surface resistivity 10^4 ohm.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Features	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ASTM D638
Tensile Strength (Yield)	120	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m²	ISO 180/A
Unnotched Izod Impact Strength	30	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648A
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290	°C	
Mold Temperature	80.0	°C	

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