

VAMPCARB 3028 V0

Polycarbonate
Vamp Tech

Message:
UL 94 V0, halogen free, 30% glass fiber reinforced, good mechanical properties.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Water Absorption (Saturation)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8200	MPa	ASTM D638
Tensile Strength (Yield)	125	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	125	°C	ASTM D648A
Vicat Softening Temperature	135	°C	ASTM D1525 ¹
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	130	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (1.00 to 2.00 mm)	850	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290	°C	
Mold Temperature	110	°C	
NOTE			
1.	Loading 2 (50 N)		

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