

VAMPCARB 0024 V2

Polycarbonate
Vamp Tech

Message:

UL 94 V2, halogen free, good dimensional stability.

General Information			
Features	Good Dimensional Stability		
	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	0.60	%	
Water Absorption (Saturation)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ASTM D638
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	50	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648A
Vicat Softening Temperature	140	°C	ASTM D1525 ¹
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	280	°C	
Mold Temperature	80.0	°C	
NOTE			
1.	Loading 2 (50 N)		

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