

VAMPALLOY 0024 V0 13

Polycarbonate + ABS

Vamp Tech

Message:

UL 94 V0, low fluidity, very good surface appearance, high chemical resistance, ball 125°C, chlorine and bhrumine free.

General Information			
UL YellowCard	E140692-460222		
Features	Bromine Free		
	Chlorine Free		
	Good Chemical Resistance		
	Good Flow		
	Good Surface Finish		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	0.60	%	
Water Absorption (Saturation)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ASTM D638
Tensile Strength (Yield)	50.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	35	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)	110	°C	ASTM D648A
Vicat Softening Temperature	130	°C	ASTM D1525 ¹
RTI Elec	100	°C	UL 746
RTI Imp	100	°C	UL 746
RTI Str	100	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	250	V	IEC 60112
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)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 to 2.00 mm)	775	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	280	°C	
Mold Temperature	70.0	°C	
NOTE			
1.	Loading 2 (50 N)		

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