

VAMPTER 1026 V0

Polybutylene Terephthalate

Vamp Tech

Message:

UL 94 V0, 10% glass fiber reinforced, PBDE - PBDF free, excellent mechanical properties.

General Information			
UL YellowCard	E140692-223045	E140692-102328836	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ASTM D638
Tensile Strength (Yield)	80.0	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°C	ASTM D648A
Vicat Softening Temperature	205	°C	ASTM D1525 ¹
RTI Elec	135	°C	UL 746
RTI Imp	135	°C	UL 746
RTI Str	135	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250	°C	
Mold Temperature	90.0	°C	
NOTE			

1. Loading 2 (50 N)

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