

VAMPTER 3026 V0

Polybutylene Terephthalate

Vamp Tech

Message:

UL 94 V0, 30% glass fiber reinforced, PBDE - PBDF free, good dimensional stability, excellent mechanical properties.

General Information			
UL YellowCard	E140692-223046	E140692-102328836	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.80	%	
Water Absorption (Saturation)	0.050	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ASTM D638
Tensile Strength (Yield)	125	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m²	ISO 180/A
Unnotched Izod Impact Strength	45	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°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	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
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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