

VAMPAMID 6 2026 V0 DF

Polyamide 6

Vamp Tech

Message:

UL 94 V0, 20 % glass fiber, PBDE & PBDF free, good mechanical properties.

General Information			
UL YellowCard	E140692-223018		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	0.90	%	
Water Absorption (Saturation)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ASTM D638
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Break)	2.3	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	195	°C	ASTM D648A
Vicat Softening Temperature	200	°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	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 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	250	°C
Mold Temperature	100	°C
NOTE		
1.	Loading 2 (50 N)	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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