

VAMPSAB 0023 V2 DF

General Purpose Polystyrene

Vamp Tech

Message:

UL 94 V2, good impact strenght, good fluidity, good UV resistance, PBDE - PBDF free.

General Information			
Features	Good Flow		
	Good Impact Resistance		
	Good UV Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.50	%	
Across Flow	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	> 40	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	45.0	MPa	ASTM D790
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)	65.0	°C	ASTM D648A
Vicat Softening Temperature	90.0	°C	ASTM D1525 ¹
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-2		
3.20 mm	V-2		
Injection	Nominal Value	Unit	
Drying Temperature	50.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	200	°C	

Mold Temperature	50.0	°C
NOTE		

1.	Loading 2 (50 N)
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