

VAMPORAN 3028 V1

Polyphenylene Ether + PS

Vamp Tech

Message:

UL 94 V1, halogen free, 30% glass fiber reinforced, good dimensional stability, good mechanical properties.

General Information

Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	Good Dimensional Stability Halogen Free

Physical

Nominal Value	Unit	Test Method	
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption (Saturation)	0.22	%	ASTM D570

Mechanical

Nominal Value	Unit	Test Method	
Tensile Modulus	8000	MPa	ASTM D638
Tensile Strength (Yield)	95.0	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638

Impact

Nominal Value	Unit	Test Method	
Notched Izod Impact Strength	10	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)	105	°C	ASTM D648A
Vicat Softening Temperature	110	°C	ASTM D1525 ¹
RTI Elec	100	°C	UL 746
RTI Imp	100	°C	UL 746
RTI Str	100	°C	UL 746

Flammability

Nominal Value	Test Method
Flame Rating	UL 94
1.60 mm	V-1
3.20 mm	V-1

Injection

Nominal Value	Unit	
Drying Temperature	90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	290	°C
Mold Temperature	90.0	°C

NOTE

1.	Loading 2 (50 N)
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