

VAMPSON B 3010

Polyphenylene Sulfide + PBT

Vamp Tech

Message:

PPS/PBT, 30% mixed glass fiber reinforced , halogen and red phosphorus free, high chemical resistance and excellent operating temperature, good mechanicals properties.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Halogen Free		
	Low (to None) Phosphorus Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	
Across Flow	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ASTM D638
Tensile Strength (Yield)	130	MPa	ASTM D638
Tensile Elongation (Break)	1.4	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	25	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°C	ASTM D648A
Vicat Softening Temperature	245	°C	ASTM D1525 ¹
RTI Elec	140	°C	UL 746
RTI Imp	140	°C	UL 746
RTI Str	140	°C	UL 746
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290	°C	
Mold Temperature	120	°C	
NOTE			
1.	Loading 2 (50 N)		

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