

VALOX™ VC120 resin

Polybutylene Terephthalate
SABIC Innovative Plastics Asia Pacific

Message:

VALOX™ VC120 resin is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific. Primary attribute of VALOX™ VC120 resin: Flame Rated.

General Information			
UL YellowCard	E45587-236842		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm³	ASTM D792
Molding Shrinkage - Flow			Internal Method
3.20 mm	0.10 to 0.20	%	
6.40 mm	0.60 to 0.70	%	
Water Absorption (24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	154	MPa	Internal Method
Tensile Elongation (Break)	3.0	%	Internal Method
Flexural Modulus	12100	MPa	ASTM D790
Flexural Strength	217	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	206	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	6.0E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+8	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94

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Recommended distributors for this material

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