

VALOX™ VC112 resin

Polybutylene Terephthalate
SABIC Innovative Plastics Asia Pacific

Message:

VALOX™ VC112 resin is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm³	ASTM D792
Molding Shrinkage - Flow			Internal Method
3.20 mm	0.20 to 0.30	%	
6.40 mm	0.70 to 0.80	%	
Water Absorption (24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	118	MPa	Internal Method
Tensile Elongation (Break)	3.0	%	Internal Method
Flexural Modulus	7350	MPa	ASTM D790
Flexural Strength	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	180	°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+5 to 1.0E+8	ohms	ASTM D257

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Recommended distributors for this material

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