VALOX™ RESIN VIC4311

REGION ASIA

DESCRIPTION

VALOX VIC4311 is a 30% glass filled, impact modified PBT with excellent epoxy adhesion. Automotive underhood applications such as ignition coil housings.

TYPICAL PROPERTY VALUES

Revision 20190925

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	96	MPa	SABIC - Japan Method
Tensile Strain, break	5 – 5	%	SABIC - Japan Method
Flexural Stress	128	MPa	ASTM D 790
Flexural Modulus	6080	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	137	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	220	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	205	°C	ASTM D 648
CTE, -30°C to 30°C	0.00003 – 0.00003	1/°C	TMA
PHYSICAL			
Specific Gravity	1.42	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.2 – 0.4	%	SABIC method
Mold Shrinkage, flow, 6.4 mm	0.6 – 0.8	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	3	-	ASTM D 150

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