

# VALOX<sup>TM</sup> RESIN VIC43 11

REGION ASIA

## DESCRIPTION

VALOX VIC43 11 is a 30% glass filled, impact modified PBT with excellent epoxy adhesion. Automotive underhood applications such as ignition coil housings.

## TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL</b>			
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
<b>IMPACT</b>			
Izod Impact, notched, 23°C	137	J/m	ASTM D 256
<b>THERMAL</b>			
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
<b>PHYSICAL</b>			
Specific Gravity	1.43	-	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
<b>ELECTRICAL</b>			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	3	-	ASTM D 150

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