VALOX™ RESIN VAC3001

REGION ASIA

DESCRIPTION

Unfilled PBT modified with elastomer. Targeted for flexible hinge applications.

TYPICAL PROPERTY VALUES

Revision 20190925

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	51	MPa	SABIC - Japan Method
Tensile Strain, break	160 – 160	%	SABIC - Japan Method
Flexural Stress	84	MPa	ASTM D 790
Flexural Modulus	2300	MPa	ASTM D 790
Hardness, Rockwell R	117	-	ASTM D 785
IMPACT			
Izod Impact, notched, 23°C	59	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	55	°C	ASTM D 648
CTE, -30°C to 30°C	0.00013 – 0.00013	1/°C	TMA
PHYSICAL			
Specific Gravity	1.29	-	ASTM D 792
Water Absorption, 24 hours	0.08	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	1.7 – 2.3	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	3.3	-	ASTM D 150

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