

SABIC VALOX™ PBT VIC4311物性表

属性	典型值	UNITS	测试手段
MECHANICAL			
Tensile Stress, yield	96	MPa	SABIC - Japan Method
Tensile Strain, break	5-5	%	SABIC - Japan Method
Flexural Stress	128	MPa	ASTM D790
Flexural Modulus	6080	MPa	ASTM D790
IMPACT			
Izod Impact, notched, 23°C	137	J/m	ASTM D256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	220	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	205	°C	ASTM D648
CTE, -30°C to 30°C	0.00003-0.00003	1/°C	TMA
PHYSICAL			
Specific Gravity	1.42	-	ASTM D792
Water Absorption, (23°C/24hrs)	0.07	%	ASTM D570
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	Ω	ASTM D257
Relative Permittivity, 50/60 Hz	3	-	ASTM D150

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