



VALOX™ Resin VC112
Asia Pacific: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1200	kgf/cm ²	SABIC - Japan Method
Tensile Strain, break	3 - 3	%	SABIC - Japan Method
Flexural Stress	1790	kgf/cm ²	ASTM D 790
Flexural Modulus	74900	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	180	°C	ASTM D 648
CTE, -30°C to 30°C	6.E-05 - 6.E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.44	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm (5)	0.2 - 0.3	%	SABIC Method
Mold Shrinkage, flow, 6.4 mm (5)	0.7 - 0.8	%	SABIC Method
ELECTRICAL			
Surface Resistivity	1.E+05 - 1.E+08	Ohm	ASTM D 257