



VALOX™ Resin VC120

Asia Pacific: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1570	kgf/cm ²	SABIC - Japan Method
Tensile Strain, break	3 - 3	%	SABIC - Japan Method
Flexural Stress	2200	kgf/cm ²	ASTM D 790
Flexural Modulus	122900	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	8	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	206	°C	ASTM D 648
CTE, -30°C to 30°C	6.E-05 - 6.E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.47	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm (5)	0.1 - 0.2	%	SABIC Method
Mold Shrinkage, flow, 6.4 mm (5)	0.6 - 0.7	%	SABIC Method
ELECTRICAL			
Surface Resistivity	1.E+03 - 1.E+08	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating (3)	1.5	mm	UL 94