

Valox* Resin DR48M

Asia Pacific: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yield	1000	kgf/cm ²	GEPJ Method
Tensile Strain, break	5 - 5	%	GEPJ Method
Flexural Stress	1510	kgf/cm ²	ASTM D 790
Flexural Modulus	54900	kgf/cm ²	ASTM D 790
Hardness, Rockwell R	118	-	ASTM D 785
IMPACT			
Izod Impact, notched, 23°C	6	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	201	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	210	°C	ASTM D 648
CTE, -30°C to 30°C	4.E-05 - 4.E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.5	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.3 - 0.5	%	GE Method
Mold Shrinkage, flow, 6.4 mm	0.8 - 1	%	GE Method
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	3.6	-	ASTM D 150
Arc Resistance, Tungsten {PLC}	7	PLC Code	ASTM D 495
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating (3)	0.71	mm	UL 94
UL Recognized, 94-5VA Rating (3)	3	mm	UL 94