Jain Americas, Inc.
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Chicopee, MA 01022
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EXCEL EDGE COEX PVC FREE FOAM SHEET ASTM REFERENCE SHEET

Excel **Edge** PVC Free Foam Sheet is free from lead, cadmium, barium and other heavy metals.

PROPERTY	TEST	UNIT	VALUE

PHYSICAL

PROPERTY	TEST	UNIT	VALUE
Density	ASTM D 1505	g/cc	0.50-0.65
Hardness	ASTM D 2240	Shore 'D'	40
Water Absorption	ASTM D570	%	< 1.0

MECHANICAL

PROPERTY	TEST	UNIT	VALUE
Tensile Strength	ASTM D 638	Psi	> 1885
Elongation	ASTM D 638	%	>10
E-Modulus	ASTM D 638	Psi	130000-220000
Flexural Strength	ASTM D 790	Psi	>4350
Izod Impact Strength	ASTM D 790	Psi	>9

THERMAL

PROPERTY	TEST	UNIT	VALUE
Vicat (B/50)	ASTM D 1525	^{0}F	>150
Coefficient of Linear Thermal Expansion	ASTM D 696	^{0}C^{-1}	5.56X10^{-5}
Thermal Conductivity	ASTM C 177	W/m K	0.1
Burning Rate	ASTM D 635	In/min	No burn when flame removed

ELECTRICAL

PROPERTY	TEST	UNIT	VALUE
Surface Resistivity	ASTM D 257	Ω	>10^{14}
Volume Resistivity	ASTM D 257	Ω-cm	>10^{15}
Dielectric Constant	ASTM D 150	-	1.7

FLAMMABILITY

PROPERTY	TEST	UNIT	VALUE
Country: UK	BS476; Part 7	-	Class 1
Country: USA	UL 94		94 V-0; 94 5-V
Country: France	NFP 92-501		M1

STANDARD DIMENSIONS AND COLOR

Color	Cap Layer White J 1010, J 1018 & J 1022 and Core Black
Thickness	3 to 12 mm
Width	1000, 1220 & 1560 mm 2050 mm width on request
Length	2000, 2440, 2500 & 3000, 4880 & 5490 mm

*Special color, lengths and widths as per customer request

TOLERANCE ON DIMENSIONS

Length	-0, +10 mm
Width	-0, +5 mm
Thickness	+/-(0.1 + 0.05 x S) Where S = thickness of the sheet