



**Jain Americas, Inc.**  
 1819 Walcutt Road, Suite I  
 Columbus, Ohio 43228  
 866-473-7539

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

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

MECHANICAL

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

Vicat (B/50)	ASTM D 1525	°F	>150
Coefficient of Linear Thermal Expansion	ASTM D 696	°C <sup>-1</sup>	5.56X10 <sup>-5</sup>
Thermal Conductivity	ASTM C 177	W/m K	0.1
Burning Rate	ASTM D 635	In/min	No burn when flame removed

ELECTRICAL

Surface Resistivity	ASTM D 257	Ω	>10 <sup>14</sup>
Volume Resistivity	ASTM D 257	Ω-cm	>10 <sup>15</sup>
Dielectric Constant	ASTM D 150	-	1.7

FLAMMABILITY

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

ALL INFORMATION GIVEN FOR PROPERTIES ARE BASED ON A TYPICAL SAMPLE, IS ACCURATE TO THE BEST OF OUR KNOWLEDGE, AND IS PROVIDED WITHOUT LIABILITY OR COMMITMENT WHATSOEVER. IN AS MUCH AS JAIN IRRIGATION SYSTEMS LIMITED HAS NO CONTROL OVER THE USE TO WHICH OTHERS PUT ITS MATERIAL, IT DOES NOT GUARANTEE THAT THE SAME RESULTS AS THOSE DESCRIBED HERE, WILL BE OBTAINED. EACH USER OF THE MATERIAL SHOULD MAKE THEIR OWN TEST IN THEIR OWN LOCAL CONDITIONS TO CONFIRM THE SUITABILITY OF OUR PRODUCT FOR PARTICULAR USE. TECHNICAL SPECIFICATIONS ARE SUBJECT TO CHANGE.