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## **EX-CEL PVC FREE FOAM SHEET**

### TECHNICAL VALUES

	<b>PROPERTY</b>	<b>UNIT</b>	<b>TEST METHOD</b>	<b>VALUE</b>
<b>A]</b>	<b>PHYSICAL</b>			
	DENSITY	g/cc	DIN 53479	0.66 - 0.75
	HARDNESS			
	1 - 7 mm	SHORE'D'	DIN 53505	≥ 42
	8 - 12 mm			≥ 47
	12.7 - 25 mm			≥ 55
	WATER ABSORPTION (24HR/23 C)	%	DIN 53495	<1.0
<b>B]</b>	<b>MECHANICAL</b>			
	TENSILE STRENGTH	MPa	DIN 53455	>15.0
	ELONGATION AT BREAK		DIN 53455	
	FOR WHITE COLOR	%		≥ 15
	FOR OTHER COLOR	%		≥ 9
	MODULUS OF ELASTICITY	MPa	DIN 53457	900 - 1500
	IZOD IMPACT STRENGTH ( 3 - 12 mm)	KJ/m <sup>2</sup>	ASTM D 256	≥ 9.0
<b>C]</b>	<b>THERMAL</b>			
	VICAT SOFTENING TEMPERATURE (A/50)	°C	DIN 53460	≥ 73
<b>D]</b>	<b>FLAMMABILITY</b>			
	LIMITING OXYGEN INDEX	%	ASTM D 2863	>40
	FREE BEHAVIOR		BS 476:PART7-1987	CLASS IY
			UL 94	94VO
			NFP 92-501	M1
<b>E]</b>	<b>DIMENSIONAL TOLERANCES</b>			
	THICKNESS	mm	± [0.1mm + 0.05 x s]	
	TO CALCULATE	THICKNESS IN	mm x 0.05 + 0.1	
	LENGTH	mm	-0, +10	
	WIDTH	mm	-0, +5	
	DEVIATION BETWEEN DIAGONALS	mm	≤ 6	
	WARPAGE	mm	≤ 10	
	(ON A FULL SHEET)			
<b>F]</b>	<b>VISUAL</b>			
	SURFACE		SMOOTH MATT	
	(VIEWED FROM A DISTANCE OF 1.5 M )			

### AVAILABILITY

#### 1. COLORS & CODES

(COLOR SHEETS ARE NORMALLY AVAILABLE IN 3mm, 4mm, 5mm AND 6mm THICKNESS ONLY)

SUPER WHITE	J1018	RED	J4021	GREEN	J6021
YELLOW	J2021	RUBY RED	J4151	BEIGE	J2211
SKY BLUE	J7021	ORANGE	J3021	GOLD	J5021
ROYAL BLUE	J7051	GREY	J8021	SILVER GREY	J8033
BLACK	J9021				

2. THICKNESS : 1 to 10mm up to 1220mm width, 3 to 10mm in higher width.
3. WIDTHS ( mm ) : 1000, 1220, 1560, 2050.
4. LENGTHS ( mm ) : 2000, 2440, 3000, 3050, 5490, 6100.  
SPECIAL LENGTHS & WIDTHS AS PER CUSTOMER'S REQUEST

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METRIC UNITS (GENERAL)