

JAIN IRRIGATION SYSTEMS LIMITED,
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EX-CEL PVC FREE FOAM SHEET

TECHNICAL VALUES

	PROPERTY	UNIT	TEST METHOD	VALUE
A]	PHYSICAL			
	DENSITY	g/cc	DIN 53479	0.45 – 0.60
	HARDNESS	SHORE 'D'	DIN 53505	≥ 34
	WATER ABSORPTION (24HR/23 C)	%	DIN 53495	≤ 1.0
B]	MECHANICAL			
	TENSILE STRENGTH	MPa	DIN 53455	≥ 13.0
	ELONGATION AT BREAK		DIN 53455	≥ 9.0
	MODULUS OF ELASTICITY	MPa	DIN 53457	900 - 1500
	IZOD IMPACT STRENGTH (3 – 12 mm)	KJ/ m ²	ASTM D 256	≥ 9.0
C]	THERMAL			
	VICAT SOFTENING TEMPERATURE (A/50)	°C	DIN 53460	≥ 73
D]	FLAMMABILITY			
	LIMITING OXYGEN INDEX	%	ASTM D 2863	> 40
	FIRE BEHAVIOUR		BS 476:PART7-1987 UL 94 NFP 92 – 501	CLASS 1Y 94 V 0 M1
E]	DIMENSIONAL TOLERANCES			
	THICKNESS	mm ±[0.1mm + 0.05 x s]		
	TO CALCULATE	THINCKNESS IN mm x 0.05 + 0.1		
	LENGTH	mm	-0, +10	
	WIDTH	mm	-0, +5	
	DEVIATION BETWEEN DIAGONALS	mm	≤ 6	
	WARPAGE (ON A FULL SHEET)	mm	≤ 10	
E]	VISUAL			
	SURFACE (VIEWED FROM A DISTANCE OF 1.5 m)		SMOOTH MATT	

AVAILABILITY

- COLORS & CODES**
 (COLOR SHEETS ARE NORMALLY AVAILABLE IN 3MM, 4MM, 5MM AND 6 MM 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
- THICKNESS** : 1 to 10 mm upto 1220mm width, 3 to 10mm in higher width.
- 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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