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EX-CEL PVC INTEGRAL FOAM SHEET

TECHNICAL VALUES

	PROPERTY	UNIT	TEST METHOD	VALUE
A]	PHYSICAL			
	DENSITY	g/cc	DIN 53479	0.50 - 0.60
	HARDNESS	SHORE 'D'	DIN 53505	≥ 55
B]	MECHANICAL			
	(APPLICABLE TO 8 & 10 mm SHEET ONLY)			
	TENSILE STRENGTH	MPa	DIN 53455	≥ 11.0
	ELONGATION AT BREAK	%	DIN 53455	≥ 10.0
	CHARPY IMPACT STRENGTH	KJ/ m ²	DIN 53453	≥ 15.0
C]	THERMAL			
	VICAT SOFTENING TEMPERATURE (A/50)	°C	DIN 53460	≥ 75
	RATE OF HEAT TRANSFER ('K' / 'U' VALUE)	W / m ² K	DIN 52616	3.0 (10 mm)
				2.13(19 mm)
				1.9 (24 mm)
				1.58 (30 mm)
THERMAL CONDUCTIVITY	W/m K	DIN 52616	0.05 – 0.07	
THERMAL RESISTIVITY ('R' VALUE)	K m/W	DIN 52616	14.28 - 20	
COEFFICIENT OF LINEAR THERMAL EXPANSION	mm / m°C	DIN 53752	0.08	
D]	FLAMMABILITY			
	LIMITING OXYGEN INDEX	%	ASTM D 2863	> 40
	FLAMMABILITY CLASSIFICATION	--	UL 94	V 0
			BS476PART7-1987 FRANCE –NF P92-507	CLASS 1 M1
D]	DIMENSIONAL TOLERANCES			
	THICKNESS	mm	± [0.1 + 0.05xNOMINAL THICKNESS]	
	LENGTH	mm	-0, +10	
	WIDTH	mm	± 5	
	DEVIATION BETWEEN DIAGONALS	mm	≤ 10	
	WARPAGE (ON A FULL SHEET OF 2440mm x 1220mm)	mm	≤ 10	
E]	VISUAL			
	SURFACE (VIEWED FROM A DISTANCE OF 1.5 m)		SMOOTH & GLOSSY	

AVAILABILITY

1. COLOR & CODE : WHITE J - 1054
2. THICKNESS (mm) : 10, 13, 14, 16, 19, 24, 25 & 30.
3. WIDTH (mm) : 1000, 1220 & 1250.

4. LENGTHS (mm) : 2000, 2440, 2500, 3000, 5490.
SPECIAL LENGTHS & WIDTHS AS PER CUSTOMER'S REQUEST.

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METRIC UNITS [GENERAL]