



PVC Expansé CELUCKA

IREXPAN FO - 01 Integral foam

Epaisseurs : 10 / 15 / 19 / 24 / 30 mm

Property	Unit	Réf. Standard	Valeur
PHYSICAL CHARACTERISTICS			
Density	g/ cc	DIN 53479	0.55
Hardness	Shore - D	DIN 53505	70
Water absorption	%	DIN 53495	0,10

MECHANICAL			
Tensile strength	MPa	DIN 53455	> 13
Elongation	%	DIN 53455	> 15
Modulus of Elasticity	Mpa	DIN 53457	1150
Flexural Strength	MPa	DIN 53452	> 30
Impact Resistance (CHARPY)	kJ/ m ²	DIN 53253	> 15
Compressive Strength at 10% deformation	MPa	DIN 53421	> 3

THERMAL			
Vicat (B/50)	° C	DIN 53460	> 75
Heat Deflection Temperature @ 1.8 MPa	° C	DIN 53461	(-) 60
Coefficient of linear expansion	° C (1)	ASTM D 696	5,56 X 10 (-5)
Thermal conductivity	W/Mk	ASTM C 177	0,1
Rate of heat transfer (' K ' / ' U ' value)	W/M2 k	DIN 52616	3,0 for 10 mm
			2.0 for 19 mm
			1.6 for 24 mm
			1.35 for 30 mm

ELECTRICAL

Surface Resistivity	Ω	ASTM D 257	> 10 (14)
Volume Resistivity	Ω cm	ASTM D 257	> 10 (15)
Dielectric Constant at 1MHZ		ASTM D 150	1,7

FLAMMABILITY

Country			
UK		BS476: Part 7	Class 1
USA		UL 94	94 5-O / V
France		NFP 92 - 501	M1

Standard dimensions and colour

Colour	Thickness	Width	Length
White - J 1054	10 / 15 / 19 mm	1560 / 1250	3000
	24 / 30 mm	1250	3000

Special lengths and widths as per customer's request

Tolerance on dimensions

	Length	Width	Thicknesses
	- 0 / +10 mm	+ /- 5 mm	+ /-(0,1 + 0,05 x 8)