



FICHE TECHNIQUE PVC Expansé

IREXPAN FO - 12

Epaisseurs : 3 / 4 / 5 / 6 / 8 / 10 mm

The values are a list of typical results by testing large numbers of specimens under specified conditions.

Additional processing can influence the properties, so we recommend caution must be adhered to when applied to the finished products.

PHYSICAL CHARACTERISTICS	
Characteristic	Excel foam PVC sheet values
Base Polymer	Polyvinyl chloride PVC
Form	Semi – Finished sheet product
Thickness	3 mm - 10 mm

PHYSICAL	
Density	0.50 g/cm ³
Smell	O dourless
Water absorption	0,10 %
Water Solubility	Insoluble

MECHANICAL	
Tensile strength at yield	~ 12 MPa
Elongation at break	~ 13 %
Modulus of Elasticity	~ 850 MPa
Flexural Strength	> 30 Mpa
Impact Resistance (CHARPY)	~ 14 kJ/m ²
Impact Resistance (IZOD)	~ 9 MPa
Shore Hardness	~ 30 - 40 (shore - D)

THERMAL PROPERTIES

Vicat Softening temperature	~ 73 ° C
Heat Deflection Temperature @ 1.8 MPa	~ 58 ° C
Coefficient of linear expansion	4,47 X 10 (-5)
Thermal conductivity	0,06 W/Mk
Service Temperature	20 ° C to 60 ° C

ELECTRICAL PROPERTIES

Surface Resistivity (ohms)	10 (14) Ω
Volume Resistivity	10(15) Ωcm
Dielectric Constant at 1MHZ	
Dielectric strength	1,56

SHEET SIZES

Standard sheet sizes	2440 x 1220 mm	3050 x 1220 mm	
	3050 x 1560 mm	3050 x 2050 mm	

Other sizes are available to order**Subject to minimum quantities.****TOLERANCES**

	Length	Width	Thicknesses
	- 0 / +10 mm	- 0 / + 3 mm	+ / - 5 %