

Datablad VIKUPOR HVIT EX J1022

TECHNICAL PROPERTIES *

PHYSICAL CHARACTERISTICS

Base Polymer	Polyvinyl chloride PVC
Form	Semi – Finished sheet product
Thickness	1mm – 19mm
Smell	Odourless
Water Absorption	0.10%
Water Solubility	Insoluble
Tensile strength at yield	13MPa
Modulus of Elasticity	0.9MPa
Flexural Strength	27MPa
Elongation at break	13%
Impact Resistance (CHARPY)	15kj/m ²
Impact Resistance (IZOD)	9MPa
Shore Hardness	30-40

THERMAL PROPERTIES

Vicat Softening Temperature	73°C
Heat Deflection Temperature @1.8MPa	58°C
Coefficient of Linear Expansion	4.47x10 ⁻⁵
Thermal Expansion	0.06W/mK
Service Temperature	-20°C to +60°C

ELECTRICAL PROPERTIES

Surface Resistivity (ohms)	1014 Ω
Volume Resistivity	1015 Ωcm
Dielectric Constant at 1MHZ	
Dielectric Strength	1.56

* 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.

FIRE BEHAVIOUR

Self Extinguishing Material
Test EN 13501 - B- S3, D0 Classification

ENVIRONMENT

Excel Foam PVC is recyclable and complies with RoHs and Reach Directives

EXCEL IMPRESS SHEET AVAILABILITY

SHEET SIZES & TOLERANCES

Standard Sheet Sizes:

2440mm x 1220mm : 1 mm - 19 mm

3050mm x 1220mm : 1 mm - 19 mm

3050mm x 1560mm : 1 mm - 19 mm

3050mm x 2050mm : 1 mm - 13 mm

Other sizes are available to order subject to minimum quantities.

Tolerances

Length -0 +10mm

Width -0 +3mm

Thickness +/- 5%

Excel Plastics has no control over the use of the material by different end users. It does not guarantee the same results each time.

The end user should make their own tests to determine the suitability of the product for the application. Excel Plastics cannot be held responsible for any incorrect handling of the product.