



# VEKAPLAN KT

Transparent and durable for a crystal clear view



# VEKAPLAN KT

Transparent and durable for a crystal clear view

VEKAPLAN KT is a crystal clear sheet made of rigid PVC which is characterised by its high light transmission of up to 88 %.

It is resistant to environmental influences and can be universally processed. VEKAPLAN KT is not only suitable for industrial applications but also for design elements both in- and outdoors.

**Packaging units/Product range overview**  
PVC-compact sheet, crystal clear, with protective film on both sides, packed on pallets. Quality B2 according to DIN 4102.

## Colour

- crystal clear

## Application examples

- exhibition construction
- displays
- signage
- furniture construction
- machine covers and casings
- hand guards
- control and meter cabinets
- balustrades
- roofing

## Properties

- highly transparent
- impact-resistant
- weather-resistant
- moisture-resistant
- non-swelling
- highly chemical resistant
- recyclable

## Processing

- sawing, drilling, milling
- punching
- screwing
- adhesive bonding
- hot forming
- vacuum-forming
- screen printing, digital printing

Properties	Standard	Value
Thickness [mm]		1-6
Density [g/cm <sup>3</sup> ]	DIN EN ISO 1183	1,38-1,42
E-modulus [MPa]	ISO 527 (50 mm/min)	3870
Impact strength (Charpy) [kJ/m <sup>2</sup> ]	ISO 179/1eU	82,5
Notched impact strength (Charpy) [kJ/m <sup>2</sup> ]	ISO 179/1eA	2,9
Tensile strength [MPa]	ISO 527 (50 mm/min)	69,2
Flexural strength [MPa]	ISO 178 (2 mm/min)	105
Shore hardness D	ISO 868	85
Surface resistance ROE [Ω]	DIN IEC 60167	2,00E+14
Volume resistance RD [Ω]	DIN IEC 60093	2,08E+16
Dielectric strength E <sub>a</sub> [kV/mm]	DIN IEC 60243	15,8
Dielectric constant ε <sub>r</sub>	DIN 53483	2,8-3,3
Coefficient of expansion [mm/mK]	DIN 53752	0,09
Compressive strength [N/mm <sup>2</sup> ]	DIN 53421	-
Vicat-softening point [°C]	ISO 306 (B50)	70
Heat distortion temperature [°C]	ISO 75-2 (1,8 MPa)	60
Water absorption [%]	ISO 62 (after 216 h)	0,09
Fire rating	DIN 4102	B2
	NFP 92-512	M1 (1-6 mm)

Thickness [mm]	Dimensions [mm]	Pieces/Pallet
1	2000 × 1000	200
	3000 × 1500	100
1,5	2000 × 1000	150
	3000 × 1500	75
2	2000 × 1000	100
	3000 × 1500	50
3	2000 × 1000	80
	3000 × 1500	30
4	2000 × 1000	60
	3000 × 1500	25
5	2000 × 1000	50
	3000 × 1500	20
6	2000 × 1000	40
	3000 × 1500	15