

Extruded hard PVC sheets, flame retardant.

Mechanical properties:		PVC-CAW	PVC-Glas
Yield stress	DIN EN ISO 527	58 MPa	73 MPa
Elongation at yield	DIN EN ISO 527	4%	
Tensile modulus of elasticity	DIN EN ISO 527	3300 MPa	
Impact strength	DIN EN ISO 179	-	
Notched impact strength	DIN EN ISO 179	4 kJ/m ²	3 kJ/m ²
Shore hardness (15 s)	DIN EN ISO 868	82	84

Thermal properties:		PVC-CAW	PVC-Glas
Mean coefficient of linear thermal expansion	ISO 11359-2	1.8 x 10 ⁻⁴ /K	
Vicat B	DIN EN ISO 306	74°C	66°C

Electrical properties:		PVC-CAW	PVC-Glas
Surface resistivity	DIN IEC 60093	10 ¹³ Ohm	10 ¹⁴ Ohm
Dielectric strength	DIN IEC 60243-1	39 kV/mm	30 kV/mm

Typical properties:		PVC-CAW	PVC-Glas
Fire behaviour 1-4 mm	DIN 4102 B1	low flammability	
Fire behaviour >1 mm	UL 94	UL 94 V-0	
Fire behaviour 1-3 mm	NF P 92-501	NF P 92-501 M1	
Fire behaviour 3 mm	BS 476	BS 476 class 1	
Density	DIN EN ISO1183	1.44 g/cm ³	1.37 g/cm ³
Temperature range		0 to +60°C	
Weather resistance		x	
Chemical resistance		✓	
Physiological safety	BfR	x	

Options*: transparent, grey, black or as expanded sheets.
 *not all materials are available from stock; for some, order quantities of >1,000 kg may be required

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The figures shown are the data of the sheet manufacturers. Values may differ depending on the production batch. This data sheet is not a guarantee for exact compliance with the values!