

PVC FOAMED

POLYVINYL CHLORIDE FOAMED

Material description

Foaming technology is used to reduce the density of this material. Foamed PVC sheets are suitable for insulation and labelling applications.

Conformities

RoHS, REACH

Physical properties	Test method	Value	Unit
Density	DIN EN ISO 1183-1	0.55 - 0.8	g/cm3
Water absorbtion	DIN EN ISO 62	0.2	%

Mechanical properties	Test method	Value	Unit
Yield stress	DIN EN ISO 527	>20	MPa
Elongation at break	DIN EN ISO 527	>30	%
Tensile modulus of elasticity	DIN EN ISO 527	1100	MPa
Notched impact strength	DIN EN ISO 527	20	kJ/m2
Shore Hardness D	ISO 868	>50	

Thermal properties	Test method	Value	Unit
Thermal conductivity	DIN 52612-2	0.1	W/(m*K)
Coefficient of thermal expansion	DIN 53752	50-70	10 ⁻⁶ *K ⁻¹
Operating temperature short term		70	°C
Operating temperature long term		-20 bis 60	°C
Heat deflection temperature	DIN EN ISO 75 / A	63	°C
Flammability	UL 94, 3 mm	V0	

Electrical properties	Test method	Value	Unit
Volume resistivity	IEC 60093	10 ¹⁵	Ω * cm
Surface resistivity	IEC 60093	10 ¹⁴	Ω * cm
Dielectric strength	IEC 60243	>12	kV/mm

These technical data have been determined as average values by our suppliers from many individual measurements. In all measurements, the test specimens were tested in the dry state. We pass on the data with reservation. The table does not claim to be complete or correct. Material technology is subject to constant further development. No rights or guarantees can be derived from it. Own tests are necessary because the environmental and operating conditions (humidity, temperature, mechanical forces, radiation and chemicals, etc.) set limits in the application.