

TECHNICAL DATA SHEET

FOAM PVC (Foam PolyVinylChloride Sheet)

FOREX® classic is a white, slightly expanded closed-cell rigid PVC sheet material with a particularly fine and homogeneous cell structure and silky matt surfaces.

Product characteristics

			1 – 3 mm	4 – 19 mm
Apparent density (nominal)	DIN EN ISO 1183-1	kg/m ³	700	500
Tensile strength	DIN EN ISO 527-1/2	MPa	16	8
E-Modulus (in tension)	DIN EN ISO 527-1/2	MPa	800	500
Flexural strength	EN ISO 178	MPa	22	18
E-Modulus (in flexure)	EN ISO 178	MPa	1100	650
Compressive strength	ISO 844	MPa	---	4
Surface hardness	DIN 53 505	Shore D	44	40
Max. service temperature		°C	55	
Coefficient of linear expansion	DIN EN ISO 75-2	mm/(m·K)	0.07	
Water absorption (23°C – 24 h)	EN ISO 62	%	<1	
Behaviour in fire (Great Britain)	BS 476, Part 7	3 – 19 mm	Class 1	
Behaviour in fire (Europe)	EN 13501-1	1 – 19 mm	C – s3 – d0	

The data given here are standard values for average density material. Slight deviations may occur dependent on sheet thickness and as a result of the process-inherent anisotropy of the material. All information is based on our current state of knowledge. However, no warranty is made for the accuracy of the data or for the results obtained from the use of this information.

Product specifications

- Standard thicknesses 1, 2, 3, 4, 5, 6, 8, 10, 13, 15, 19 mm
- Protection film on one side (unfilmed upon request)
- suitable for interior and exterior applications
- difficult to ignite and self-extinguishing

Additional product information

Information on other properties and characteristics of this product is available on request. A separate material safety data sheet describes FOREX® classic expanded rigid plastic sheets with regard to safety requirements. Working directions are also available in a separate document.

Please Note: The above Technical Data Sheet is a general guide to the physical properties of the material. This information is given without Warranty or Liability. It is the customers responsibility to determine if this product is suitable for the application.