

Technical data sheet for SMART-X®

SMART-X® is a lightweight, yet very rigid all-plastic foam board with a core of expanded Polystyrene and hard surfaces of solid Polystyrene.

Product characteristics

		5 mm	10 mm	19 mm
Weight of sheet (nominal)	kg/m ²	1.00	1.90	3.00
Flexural strength	EN ISO 178 MPa	10.0	7.0	5.0
E-modulus (in flexure)	EN ISO 178 MPa	600	400	200
Max. service temperature	°C	70		
Coef. of thermal expansion	DIN EN ISO 75-2 mm/(mK)	0.08		
Fire rating	UL 94	94 HBF		

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 5 mm, 10 mm, 19 mm
- Standard widths 1220 mm, 2030 mm
- Standard lengths 2440 mm, 3050 mm
- Colour white
- Protection film on one side (19 mm both sides)
- suitable for interior and exterior applications
- pure, unmixed Polystyrene (100% recyclable)

Additional product information

Information on other properties and characteristics of this product is available on request. A separate material safety data sheet describes SMART-X® foam boards with regard to safety requirements. Working directions are also available in a separate document.