

Technical plastics: Polystyrene (PS)

Application

refrigerator linings | bath tub linings | sanitary areas | shower tray cladding | caravan lining

Properties

functional surface qualities | excellent impact strength (even at low temperatures) | suitable for printing | suitable for food | meets fire protection standard UL Standard 94HB | Stress crack resistance

Storage

Depending on temperature and humidity dimensional changes occur | Store under dry and above zero conditions!

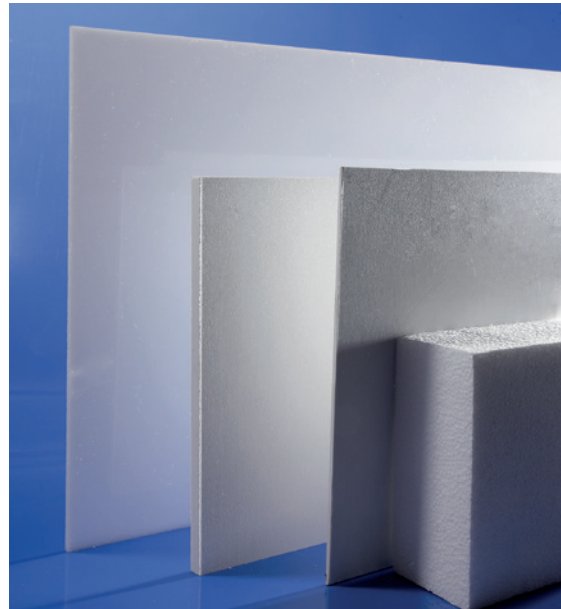
Processing

very good machining properties | can be drilled, sawed and milled

Product range

We offer the above mentioned plastics as semi-finished products in various dimensions and thicknesses as sheets

Surfaces: matt | glossy | patterned



Properties	Values
Density (g/cm ³)	1.05
Hardness (Shore Rockwell)	
Water absorption %	<0.1
Melting temperature (°C)	100
Temperature range (°C)	+70
Breaking stress (MPa)	
Tensile strength (MPa)	55
Elongation (%)	
Elongation at break (%)	
Impact strength (kJ/m ²)	6-9
Impact toughness (kJ/m ²)	2
Ball-impression hardness (N/mm ²)	
Plunger strength (kV/mm)	
Volume resistivity (Ohm.cm)	
Surface resistance (Ohm)	>10 ¹⁴
Dielectric constant (at 100 Hz)	2.5



Note: The technical parameters are a planning aid only. In particular, they do not represent guaranteed properties. The information in the data sheet is based on individual measurements and our current knowledge and experience. We reserve the right to make production-related changes.
Please note that the individual application conditions have an influence on the properties of each individual product. For this reason the customer is obliged to subject the materials to a suitability test. The use of our materials takes place exclusively within the area of responsibility of the user.