

# Technical datasheet

## PVC rigid foam foamed free (polyvinylchlorid foamed free)

Example of application
<ul style="list-style-type: none"> <li>› Booth construction and interior construction</li> <li>› Machine covers</li> <li>› Displays</li> </ul>

Advantage	Disadvantages
<ul style="list-style-type: none"> <li>› Low weight</li> <li>› Printable</li> </ul>	<ul style="list-style-type: none"> <li>› Minimal low-temperature flexibility</li> </ul>

Basic information	Specification
Format	Sheets: 2 – 6, 8 and 10 mm available in 1.22 / 1.56 / 2.03 m x 2.44 / 3.05 m

Physical properties	Standard term/Specification*		Unit	Testing method
	(a)**	(b)**		
Density	0.65	0.55	g/cm <sup>3</sup>	DIN EN ISO 1183
Moisture ingress	0.9	n.sp.	%	DIN EN ISO 62

Mechanical properties	Standard term/Specification*		Unit	Testing method
	(a)**	(b)**		
Tensile strength	19.5	19.5	N/mm <sup>2</sup>	DIN EN ISO 527
Elongation at break	n.sp.	n.sp.	%	DIN EN ISO 527
E-module	1.100	1.100	N/mm <sup>2</sup>	DIN EN ISO 527
Notch toughness	3.1	n.sp.	kJ/m <sup>2</sup>	DIN EN ISO 179
Rockwellhardness	47	42	°Shore D	ISO 868

Thermal properties	Standard term/Specification*		Unit	Testing method
	(a)**	(b)**		
Thermal conductivity	n.sp.	0,048	W/(m·K)	DIN 52612
Linear thermal expansion coefficient	0.6	n.sp.	K <sup>-1</sup> ·10 <sup>-4</sup>	DIN 53752
	1.2	n.sp.	mm	At initial length of 1.000 mm and a temperature difference of 20 °C.
Max. operating temperature, short-term	n.sp.	n.sp.	°C	
Max. operating temperature, long-term	n.sp.	n.sp.	°C	

Electrical properties	Standard term/Specification*		Unit	Testing method
	(a)**	(b)**		
Resistance	n.sp.	n.sp.	Ω·cm	DIN IEC 60093
Outer surface coefficient	> 2·10 <sup>14</sup>	> 2·10 <sup>15</sup>	Ω	DIN IEC 60167
Puncture resistance	n.sp.	n.sp.	kV/mm	

Legend
n.sp.= not specified

\* Higher specification on request. ; \*\* (a) = 2 – 4 mm thickness ; (b) = 5 – 10 mm thickness

All information based on current knowledge and experience. Information provided shall not exempt the contractor or user from conducting own tests. A legally binding warranty as to product features or its suitability for specific purposes may not be derived therefrom. Compliance with any proprietary rights as well as existing laws or regulations is the responsibility of the recipient of our products. No liability assumed for printing and any other errors. Technical data subject to change without notice. Reproduction or duplication of this document or its contents - whole or in part - is only permitted with express approval by company noltewerk. The German version of this data shall prevail. As of 1219.



transparent  
plastics