

Technical Data Sheet

Trovidur[®] ESA

Product characteristics

- UV-resistant in colour white
- Highly impact resistant
- Very good vacuum formable

Product applications

- Visual communication
- Sports and leisure industry
- Construction industry

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,42
Water absorption	DIN EN ISO 62	%	≤0,20
Flammability (Thickness 1 ... 4 mm)	DIN 4102		B1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	45
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength	DIN EN ISO 179	kJ / m ²	8
Thermal properties			
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	60 - 80
Service temperature, long term	Average	°C	-20 ... 60
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	75
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 ¹⁵
Surface resistivity	DIN EN 62631-3-2	Ω	>10 ¹³

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.