

Trovidur® ESA-D

Product characteristics

- Raised impact strength, high cold impact
- High UV and weather resistance
- Excellent printability

Typical field of application

- Building industry
- Visual communication
- Vacuum forming techniques

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g/cm ³	1,42
Water absorption	DIN EN ISO 62	%	≤ 3
Flammability (Thickness 3 mm / 6 mm)	UL 94		-
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength (charpy)	DIN EN ISO 179	kJ/m ²	8
Shore hardness	DIN EN ISO 868	scale D	-
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	-
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ K ⁻¹	60-80
Heat deflection temperature	DIN EN ISO 306, Vicat B	°C	74
Electrical properties			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,020
Volume resistivity	IEC 60093	Ω *cm	>10 ¹⁵
Surface resistivity	IEC 60093	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.