

Troidur® ES

Product characteristics

- Highly impact resistant
- Good vacuum formable
- Flame retardant, self-extinguishing after removal of flame

Product applications

- Construction industry
- Mechanical engineering
- Vacuum forming industry

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,40
Water absorption	DIN EN ISO 62	%	≤0,20
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	48
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	6
Shore hardness	DIN EN ISO 868	scale D	80
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	60 - 80
Service temperature, long term	Average	°C	-30 ... 60
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	72
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,02
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.