

## Technical Data Sheet

### Trovidur® 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	Guideline Value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,40
Water absorption	DIN EN ISO 62	%	≤0,20
<b>Mechanical properties</b>			
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 <sup>2</sup>	6
Shore hardness	DIN EN ISO 868	scale D	80
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	60 - 80
Service temperature, long term	Average	°C	-30 ... 60
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	72
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 <sup>15</sup>
Surface resistivity	DIN EN 62631-3-2	Ω	>10 <sup>13</sup>

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.