

## Trovidur® ESV

### Product characteristics

- Raised impact strength, high cold impact
- High UV and weather resistance
- Excellent stretching behavior for thermoforming

### Typical field of application

- Vacuum forming techniques
- Building industry

	Test method	Unit	Value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1,41
Water absorption	DIN EN ISO 62	%	≤ 3
Flammability (Thickness 3 mm / 6 mm)	UL 94		-
<b>Mechanical properties</b>			
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 <sup>2</sup>	8
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 <sup>-1</sup>	60-80
Heat deflection temperature	DIN EN ISO 306, Vicat B	°C	74
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,020
Volume resistivity	IEC 60093	Ω *cm	>10 <sup>15</sup>
Surface resistivity	IEC 60093	Ω	>10 <sup>13</sup>

The data mentioned in this brochure are average values ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.