Technical Data Sheet

Trovidur® ET transparent

PVC-U

Typical characteristics

- High transparency
- Good printable
- RoHS compliant
- ELV compliant
- WEEE compliant
- RLAP compliant
- Flame retardant
- Self-Extinguishing after removal of the flame
- Low moisture absorption
- Chemical resistant
- Electrically insulating
- Good weldability
- Good thermoformability
- Good glueability
- Good impact strength

Typical industries

- Mechanical Engineering Industry
- Chemical Processing Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,40
Water absorption	DIN EN ISO 62	%	0,20
Flammability (Thickness from 2 mm)	UL 94		V0
Flammability (Thickness 1 mm ... 5 mm)	NF P 92-501		M1
Flammability (Thickness 1 mm ... 5 mm)	DIN 4102		B1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	70
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3200
Notched impact strength	DIN EN ISO 179	kJ / m^2	2
Shore hardness	DIN EN ISO 868	scale D	83
Ball Hardness	ISO 2039	MPa	140

	Test method	Unit	Guideline value
Bending strength	DIN EN ISO 178	MPa	80
Thermal properties			
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	67
Service Temperature		°C	-10 ... +50
Heat deflection temperature	DIN EN ISO 75	°C	59
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
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	$>10^{13}$
Dielectric strength	IEC 60243	kV / mm	12
Comparative tracking index	IEC 60112	CTI	450

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.