Röchling

Industrial

Technical Data Sheet

Trovidur® ET

Product characteristics

- Normal impact strength
- High transparency
- Very good printable

Product applications

- Clean room and semi conductor industry
- Mechanical engineering
- Advertising technology

	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
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.

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INTEGRATED MANAGEMENT SYSTEM