

Trovidur® EN-F

Product characteristics

- Special fire-preventive properties
- Easy processing by welding, thermoforming and bonding
- Meets the requirements for classification in fire classes B1 up to thickness 12mm and M1 up to 6mm

Typical field of application

- Clean room and semiconductor technology
- Mechanical engineering

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g/cm ³	1,47
Water absorption	DIN EN ISO 62	%	≤ 3
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3200
Notched impact strength (charpy)	DIN EN ISO 179	kJ/m ²	4
Shore hardness	DIN EN ISO 868	scale D	-
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	-
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ K ⁻¹	60-80
Heat deflection temperature	DIN EN ISO 306, Vicat B	°C	82
Electrical properties			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,020
Volume resistivity	IEC 60093	Ω *cm	>10 ¹⁵
Surface resistivity	IEC 60093	Ω	>10 ¹³

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.