

Troidur® EC-N

Product characteristics

- Fire class B1 according to DIN 4102 up to 4 mm thickness
- Good weldability and glueability
- High resistance to acids, lyes and salt solutions

Product applications

- Chemical engineering and tank building
- Ventilation technology
- Construction industry

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,44
Water absorption	DIN EN ISO 62	%	≤0,20
Flammability	UL 94		V0 from 1,5 mm / 5V from 3 mm
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	50
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2700
Notched impact strength	DIN EN ISO 179	kJ / m ²	4
Shore hardness	DIN EN ISO 868	scale D	80
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	60 - 80
Service temperature, long term	Average	°C	-20 ... 60
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	73
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,02
Volume resistivity	IEC 60093	Ω * cm	>10 ¹⁵
Surface resistivity	IEC 60093	Ω	>10 ¹³

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.