

Technical information ROEDURTHERM E-300 AS-HT

(antistatic base material)

Mechanical Properties	Norm	Unit	Values
Flexural strength	ISO 178	MPa	430
Flexural strength at 150°C / 1h	ISO 178	MPa	330
Modulus of elasticity in flexure, RT	ISO 178	MPa	N/A
Compressive strength // at 23°C	ISO 604	MPa	280
Compressive strength ⊥ at 23°C	ISO 604	MPa	450
Tensile strength	ISO 527	MPa	290
E-modulus	ISO 178	MPa	24000
E-modulus at 150°C	ISO 178	MPa	19000
E-modulus at 200°C	ISO 178	MPa	16000

Electrical Properties	Norm	Unit	Values
Surface resistance	IEC 61340-5-1	Ohm	10 ⁵ -10 ¹⁰

Thermic Properties	Norm	Unit	Values
Thermal conductivity	DIN 52612	W/mK	0,3
Coefficient of linear expansion	DIN 53752	1.0E-6/K	15
Temperature Index (TI)	IEC 60216	°C	180

Physical Properties	Norm	Unit	Values
Density	ISO 1183	g/cm ³	1,9
Water absorption 24h 23°C	ISO 62	Mg/%	15/0,03

Anschrift

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Thickness	Tolerance to nominal thickness
3 – 14 mm	Ground to +/- 0,1 mm

RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (RoHS-directive), annex II and amendment 2015/863/EU are not used as ingredients in this material.

- High pressure laminate with antistatic properties
- Suitable for Wave and SMT soldering process up to 300°C for short period
- Very good mechanical properties

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