

## Technical Information ROEDURTHERM E-300 AS-I (antistatic base material)

Mechanical Properties	Norm	Unit	Values
Flexural strength	ISO 178	MPa	350
Flexural strength at 150°C	ISO 178	MPa	180
Modulus of elasticity in flexure, RT	ISO 178	MPa	16.000
Compression strength ( <i>vertical</i> ), RT	ISO 604	MPa	600
Compression strength ( <i>parallel</i> ), RT	ISO 605	MPa	300
Impact strength ( <i>Charpy</i> )	ISO 179	kJ/m <sup>2</sup>	180
Tensile strength	ISO 527	MPa	250

Electrical Properties	Norm	Unit	Values
Surface resistance	IEC 93	Ohm	10 <sup>5</sup> -10 <sup>9</sup>

Thermic Properties	Norm	Unit	Values
Thermal conductivity	DIN 52612	W/mK	0,3
Combustibility	IEV 707	Category	HB
Coefficient of linear expansion ( <i>vertical</i> )	IPC TM 650	ppm/K	60-70
Coefficient of linear expansion ( <i>parallel</i> )	IPC TM 650	ppm/K	15
Thermal decomposition temperature	DIN 21006	°C	>370
Short-term temperature capacity		°C	300

### Address

RÖSNICK Vertriebs GmbH  
 Graf-Salm-Straße 34  
 50181 Bedburg  
 Executive Manager  
 Frank Rösnick,  
 Dominik Alferts

### Contact

**Phone** +49 (0) 2272 - 91 81-70  
**Fax** +49 (0) 2272 - 91 81-90  
**Mail** info@roesnick-vertrieb.de  
**Web** www.roesnick-vertrieb.de

### VAT No.

DE811738631

### Commercial register

Cologne HRB 40959

### Bank details

VR Bank eG, Bergisch Gladbach  
 IBAN: DE57 3706 2600 3646 5360 13, BIC: GENODED1PAF  
 Commerzbank AG, Köln  
 IBAN: DE44 3708 0040 0429 1645 00, BIC: DRESDEFF370

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Physical Properties	Norm	Unit	Values
Density	ISO 1183	g/cm <sup>3</sup>	1,8-1,9
Water absorption	ISO 62	%	<0,18
Chemical resistance			Very good

Thickness	Tolerance to nominal thickness*	Parallelism
3-10 mm	+/- 0,1 mm	+/- 0,05 mm
From 10 mm	+/- 0,15 mm	+/- 0,08 mm

\*sanded on both sides

Last updated: 2018

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