

As of 04.2023

## Technical information ROEDURTHERM AS-I (antistatic base material)

Mechanical Properties	Norm	Unit	Values
Flexural strength (23°C)	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 (vertical), RT	ISO 604	MPa	600
Compression strength (parallel), RT	ISO 605	MPa	300
Impact strength (Charpy)	ISO 179	kJ/m <sup>2</sup>	180
Tensile strength	ISO 527	MPa	250

Electrical Properties	Norm	Unit	Values
Surface resistance	IEC93	Ohm	1E5-1E9

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

#### Address

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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**

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