

## OVERVIEW TECHNICAL DATA

# DOTEX<sup>®</sup> 110-Rod

<b>Product description</b>	Molded rods made of resin-bound cotton fabric
<b>Standard colour</b>	brown
<b>Main applications</b>	Electrical and thermal insulation parts for machine engineering and process industry
<b>Delivery program</b>	Rods, rod cut-offs and highly precise machined parts and finished components

## Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific gravity	ISO 1183	g/cm <sup>3</sup>	1,4
Water absorption	ISO 62	%	0,8

## Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	—	°C	110
Operation temperature, short-term	—	°C	110
Thermal conductivity	DIN 52612	W/mK	0,2

## Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm <sup>2</sup>	80
Flexural strength at 23 °C	ISO 178	N/mm <sup>2</sup>	90
Tensile strength	ISO 527	N/mm <sup>2</sup>	50

## Electrical characteristics

Properties	Test Standard	Unit	Typical value
Electric strength (I)	IEC 243-1	KV/3 mm	5
Electric strength (II)	IEC 243-1	KV/25 mm	10

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We reserve the right to make changes in the context of further technical developments. The guide values listed in this data sheet are not contractual data.

Please contact our applications and sales engineers to clarify the suitability of the material for your application.