

**OVERVIEW TECHNICAL DATA**

# DOGLAS<sup>®</sup> 240-Tube

<b>Product description</b>	Rolled tubes made of silicon resinbound glass fabric
<b>Standard colour</b>	white
<b>Main applications</b>	Electrical and thermal insulation parts for machine engineering and process industry
<b>Delivery program</b>	Tubes, tube 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>	1,8
Water absorption	ISO 62	%	0,1

## Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	-	°C	240
Operation temperature, short-term	-	°C	250
Thermal conductivity	DIN 52612	W/mK	0,3

## Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm <sup>2</sup>	65
Flexural strength at 23 °C	ISO 178	N/mm <sup>2</sup>	120
Cohesion between layers	EN 61212	N/mm <sup>2</sup>	150

## Electrical characteristics

Properties	Test Standard	Unit	Typical value
Permittivity	DIN 53483	-	4
Electric strength (⊥)	IEC 243-1	KV/3 mm	20
Electric strength (  )	IEC 243-1	KV/25 mm	40

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The standard values shown in this data sheet are measured by standard test methods. Depending on operation terms and dimensions the material properties can differ from these values.

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