

**OVERVIEW TECHNICAL DATA**

# DOGLIDE® GA

<b>Product description</b>	Graphite material
<b>Standard colour</b>	black
<b>Main applications</b>	Thermal insulation parts with gliding effect for machine engineering and process industry
<b>Delivery program</b>	Sheets, panels 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

## → Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	-	°C	600
Operation temperature, short-term	-	°C	600
Coeff. of linear thermal expansion	DIN 51045	10 <sup>-6</sup> x K <sup>-1</sup>	4
Thermal conductivity	DIN 52612	W/mK	50

## → Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm <sup>2</sup>	125
Flexural strength at 23 °C	ISO 178	N/mm <sup>2</sup>	55
Modul of elasticity	ISO 178	N/mm <sup>2</sup>	12000

## → Gliding characteristics

Properties	Test Standard	Unit	Typical value
Sliding friction coefficient	-	-	0,1

DOGLIDE GA can not be used for electrical insulation.

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The standard values shown in this data sheet are measured by standard test methodes. 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.