

**TECHNICAL DATA OVERVIEW**

# DOGLIDE® GA

<b>Material Description</b>	Graphite material
<b>Colour</b>	black
<b>Uses</b>	Heat-resistant components with sliding properties and slides for mechanical and plant engineering
<b>Availability</b>	Panels, blanks and components/assemblies according to drawings

## Physical properties

Properties	Test Standard	Unit	Value
Density	ISO 1183 standard	g/cm <sup>3</sup>	1,8

## Thermal properties

Properties	Test Standard	Unit	Value
Application temperature, continuous	–	°C	600
Application temperature, short-term	–	°C	600
Coefficient of linear expansion	DIN 51045	10 <sup>-6</sup> x K <sup>-1</sup>	4
Thermal conductivity	DIN 52612	W/mK	50

## Mechanical properties

Properties	Test Standard	Unit	Value
Compressive strength at 23 °C	ISO 604 Standard	N/mm <sup>2</sup>	125
Flexural strength at 23 °C	ISO 178 Standard	N/mm <sup>2</sup>	55
Modulus of Elasticity of Flexural Test	ISO 178 Standard	N/mm <sup>2</sup>	12000

## Sliding properties

Properties	Test Standard	Unit	Value
Coefficient of friction (μ)	–	–	0,1

DOGLIDE GA material is electrically conductive.

Last Updated: 11/2014

The values shown were determined on standard specimens. The material properties may differ from these values depending on the application and the geometry of the component.

Our consulting engineers and technicians are at your disposal to clarify the exact suitability of the material.