

OVERVIEW TECHNICAL DATA

DOGLIDE® GA 450

Product description	Graphite material
Standard colour	black
Main applications	Thermal insulation parts with gliding effect for machine engineering and process industry
Delivery program	Sheets, panels and highly precise machined parts and finished components

→ Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific gravity	ISO 1183	g/cm ³	1,72

→ Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	-	°C	450
Operation temperature, short-term	-	°C	450
Coeff. of linear thermal expansion	DIN 51045	10 ⁻⁶ x K ⁻¹	2,9
Thermal conductivity	DIN 52612	W/mK	90

→ Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm ²	90
Flexural strength at 23 °C	ISO 178	N/mm ²	45
Modul of elasticity	ISO 178	N/mm ²	11000

→ Gliding characteristics

Properties	Test Standard	Unit	Typical value
Sliding friction coefficient	-	-	0,15

DOGLIDE GA 450 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.