

OVERVIEW TECHNICAL DATA

DOGLIDE® DBG 260

Product description	Engineered isotropic composite material made of resin-bound fillers (contains graphite)
Standard colour	green-grey
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 density	ISO 1183	g/cm ³	1,85
Water absorption	ISO 62	%	3,0

➔ Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	-	°C	200
Operation temperature, short-term	-	°C	220
Coeff. of linear thermal expansion	DIN 51045	10 ⁻⁶ x K ⁻¹	15
Linear shrinkage at 150 °C	24 hours	%	0,1
Thermal conductivity	DIN 52612	W/mK	0,45

➔ 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	40

➔ Gliding characteristics

Properties	Test Standard	Unit	Typical value
Sliding friction coefficient	-	-	0,14
Oil and fat resistance	-	-	resistant

DOGLIDE DBG 260 can not be used for electrical insulation.

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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.