

TECHNICAL DATA OVERVIEW

DOGLIDE® DBG 260

Material Description	Isotropic slip material bonded to graphite-containing resin
Colour	green-grey
Uses	Thermal insulation components with sliding properties for mechanical and plant engineering
Availability	Panels, blanks and components/assemblies according to drawings

Physical properties

Properties	Test Standard	Unit	Value
Density	ISO 1183 standard	g/cm ³	1,85
Water absorption	ISO 62 Standard	%	3

Thermal properties

Properties	Test Standard	Unit	Value
Application temperature, continuous	–	°C	200
Application temperature, short-term	–	°C	220
Coefficient of linear expansion	DIN 51045	10 ⁻⁶ x K ⁻¹	15
Shrinkage at 150 °C	24 hrs	%	0,1
Thermal conductivity	DIN 52612	W/mK	0,45

Mechanical properties

Properties	Test Standard	Unit	Value
Compressive strength at 23 °C	ISO 604 Standard	N/mm ²	90
Flexural strength at 23 °C	ISO 178 Standard	N/mm ²	40

Sliding properties

Properties	Test Standard	Unit	Value
Coefficient of friction (μ)	–	–	0,14
Oil/grease resistance	–	–	constant

The DOGLIDE DBG 260 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.