Material
HGW HG650

Synthetic fabric + phenolic resin

Version	Released on
03	20.12.2018

General Data

Colour:	Red
Filler:	Polytetrafluorethylene (PTFE), %

Physical Properties	Nominal Range	Typical Value	
Density IEC 1183-A		1.15	g/cm³
Compressive strength ISO 604, until break (perpendicular to layers), 23 °C		300	MPa
compression modulus on Basis of ISO 178, 23 °C		2155	MPa
Surface resistivity ICE 60167		5000000000	Ohm
Dielectrical strength IEC 60243-1, (perpendicular to layers)		3	kV/mm

Temperature Range

static:	°C
static short term:	up to 140 °C
dynamic:	-40 to 120 °C

This data sheet supersedes all previous versions. The content is subject to change without prior notice. The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

Print date: 23.06.2026

Freudenberg FST GmbH
Technology & Innovation Material Compliance
Email: MaterialCompliance@fst.com

End of Document

Freudenberg FST GmbH
Technology & Innovation Material Compliance
Email: MaterialCompliance@fst.com