Grade FU 4740

Data Sheet

Schunk Kohlenstofftechnik GmbH
Rodheimer Strasse 59
35452 Heuchelheim, Germany
research.skt@schunk-group.com
www.schunk-group.com

Bulk density	(g/cm^3)	0.16
Porosity	(%)	85
Flexural strength	(MPa)	2.7
Strain to failure	(%)	0,5
Young's modulus (flexion)	(GPa)	0.7
Compressive strength	(MPa)	4.7
Coefficient of thermal expansion α 20 -1000 °C (70 -1830 °F)	(10^{-6}/K)	3.4
Thermal conductivity	(W/mK)	0.18
Specific electrical resistance	µΩm	1050
Temperature limit in oxidizing atmosphere in inert atmosphere	(°C / °F)	300 °C / 570 °F 1300 °C / 2370 °F
Ash	(µg/g)	< 0.5 %

kt 09.08

The data shown above are not guaranteed, but typical values based on our experience. It should be understood that a spread of results can occur due to variations in materials and production processes.

Please find the standards for the determination of our material properties at
www.schunk-group.com/skt/dm