GRADE FE 519

Data Sheet

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Bulk density	(g/cm^3)	1.75
Porosity	(%)	12
Flexural strength	(MPa)	32
Tensile strength	(MPa)	16
Compressive strength	(MPa)	70
Young's modulus	(GPa)	10
Hardness Rockwell HR5/40		100
Coefficient of thermal expansion α 20 - 1000 °C (70 - 1830 °F)	(10^{-6}/K)	4.3
Thermal conductivity	(W/mK)	50
Specific electrical resistance	(µΩm)	25
Ash	(µg/g)	300
Mean grain size	(µm)	25
Forming method		isostatic molding

wfr 09.98

A purified version of this material is also available.

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