

**MECHANICAL & PHYSICAL CHARACTERISTICS (TYP.)**

Density		[g/cm <sup>3</sup> ]	>3.08
Residual porosity		[vol.-%]	≤3
of which open porosity		[vol.-%]	0
Bending strength $\sigma_m$ DIN EN 843-1		[MPa]	460
Webulls modulus RT		[-]	≥12
Compressive strength		[MPa]	>2500
Young's modulus (static)		[GPa]	420
Poisson's ratio		[-]	0.15
Hardness HV1		[-]	2650
Maximum application temperature	inert atmosphere	[°C]	1900
	air		1650
Linear coefficient of expansion	20 - 1000°C	[10 <sup>-6</sup> /K]	4.5
Specific heat 20 °C		[J/(kg*K)]	672
Thermal conductivity	20 °C	[W/(m*K)]	100
Resistivity	20 °C	[Ω*cm]	10 <sup>7</sup>
Typical colour		[-]	black

The data indicated on this table are in line with the introductory German Industrial Standard DIN 60672-2 are relate to test specimens from which they were obtained. They are not unconditionally applicable to other forms if the same material. The data must be regarded as indicative only. All data refer to a temperature of 20 °C, unless otherwise specified.