

GQ QUATTRO DISC MED HT TECHNICAL DATA SHEET

Revised December 2020

Percentage chemical composition (m/m)

| | |
|--------------------------------|----------------|
| ZrO ₂ | Main component |
| Y ₂ O ₃ | 4–6 % |
| Al ₂ O ₃ | < 1 % |
| SiO ₂ | max. 0.02 % |
| Fe ₂ O ₃ | max. 0.01 % |
| Na ₂ O | max. 0.04 % |

Physical and mechanical properties

| | |
|-----------------------|---|
| Colour | variable |
| Density | ~ 6.0 g/cm ³ |
| Flexural strength | 1,200–1,400 Mpa |
| Vickers hardness | 1,250 HV10 |
| Weibull modulus | ~ 15 |
| CTE value (25–500 °C) | ~ 10.7 × 10 ⁻⁶ K ⁻¹ |

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