



## Key Advantages

- Quicker machining, less tool wear and less waste through close contour shape
- Surface is seamless, homogeneous, smooth and very dense
- Highly accurate, good dimensional stability
- Vacuum Integrity
- Castings made in the USA

RAKU® TOOL Products			CC-6010	CC-6503	CC-6506
Color	visual		Brown	Blue	Dark Gray
Density	ASTM D-792	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	ca. 0.80 (ca. 50)	ca. 1.85 (ca. 115)	ca. 1.90 (ca. 119)
Shore Hardness D	ASTM D-2240		65 - 70	85 - 90	90 - 95
Coefficient of thermal expansion	ASTM D-3386	10 <sup>-6</sup> K <sup>-1</sup> (in/in/°F x 10 <sup>-6</sup> )	65 - 70 (36 - 39)	40 - 45 (22 - 25)	35 - 40 (19 - 22)
Deflection temperature, HDT	ASTM D-648	°C (°F)	75 - 80 (167 - 176)	80 - 85 (176 - 185)	110 - 115 (230 - 239)
Compressive strength	ASTM D-695	MPa (psi)	35 - 40 (5,100 - 5,800)	95 - 105 (13,800 - 15,200)	120 - 130 (174,000 - 189,000)
Compressive modulus	ASTM D-695	MPa (psi)	1,300 - 1,600 (189,000 - 232,000)	10,000 - 12,000 (14,500,000 - 17,400,000)	10,000 - 13,000 (14,500,000 - 18,900,000)

*Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third-party rights whatsoever affected thereby. No liability accepted for misprints.*