

# TUNGSTEN CARBIDE

∅ 0,13 MM TO 25.40 MM OR UPON REQUEST

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## Physical properties

<b>DENSITY</b>	14.95 g/cm <sup>3</sup>
<b>COMPOSITION</b>	Co 6% , other 0.2%, balance WC

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## Thermal properties

<b>CONDUCTIVITY</b>	100 W/m <sup>-1</sup> . K <sup>-1</sup>
<b>EXPANSION</b>	4.7 10 <sup>-6</sup> /K <sup>-1</sup>

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## Mechanical properties

<b>HARDNESS</b>	1640 HV10
<b>YOUNG'S MODULUS</b>	625 GPa
<b>FRACTURE TOUGHNESS</b>	9.9 MPa.m <sup>1/2</sup>
<b>RUPTURE STRENGTH</b>	2200 MPa
<b>COMPRESSIVE STRENGHT</b>	6400 MPa