

## Technical Data Sheet

**Product Name:** Cemented Tungsten Carbide Rod  
**Catalog No.:** CA0139  
**Standard:** ASTM B777  
**Size:** Customized  
**Color:** Grey



### Specification

Form	Dia. (mm)	Length (mm)	Standard
PCB Rod	3.25-7	12-40	ASTM B777
Hollow Rod	1.1-42	≤700	
Rod	2.0-25	38-150	

### Chemical Composition, %

Product	WC	Co
WC Rod	85-94	6-15

### Properties

Properties	Unit	Value
Density	g/cm <sup>3</sup>	14.1-14.85
Vickers Hardness HV30	-	1560-2100
Rockwell Hardness HRA	-	87.6-94
Transverse Rupture Strength	N/mm <sup>2</sup>	3600-4500
Fracture Toughness	Mpa·m <sup>0.5</sup>	9.2-15.4

Stanford Advanced Materials

By..... *Woman* .....