

## CoorsTek ACI-Co6 Tungsten Carbide

Category : Ceramic , Carbide

**Material Notes:**

Applications: seal rings, plungers, liners, nozzles, valve components, pump components, wear components in the oil & gas, construction, and agriculture equipment industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CoorsTek-ACI-Co6-Tungsten-Carbide.php](http://www.lookpolymers.com/polymer_CoorsTek-ACI-Co6-Tungsten-Carbide.php)

Physical Properties	Metric	English	Comments
Density	14.9 g/cc	0.538 lb/in <sup>3</sup>	
Particle Size	1.0 - 3.0 µm	1.0 - 3.0 µm	Grain Size

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell A	92	92	
Modulus of Elasticity	627 GPa	90900 ksi	
Flexural Strength	1930 MPa	280000 psi	
Poissons Ratio	0.21	0.21	
Shear Modulus	259 GPa	37600 ksi	Calculated

Thermal Properties	Metric	English	Comments
CTE, linear	4.70 µm/m-°C	2.61 µin/in-°F	
	@Temperature 25.0 - 400 °C	@Temperature 77.0 - 752 °F	
	5.30 µm/m-°C	2.94 µin/in-°F	
	@Temperature 25.0 - 800 °C	@Temperature 77.0 - 1470 °F	
Specific Heat Capacity	0.2093 J/g-°C	0.05002 BTU/lb-°F	
Thermal Conductivity	100 W/m-K	694 BTU-in/hr-ft <sup>2</sup> -°F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China