

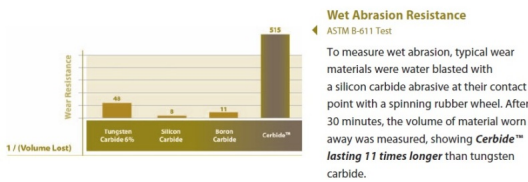
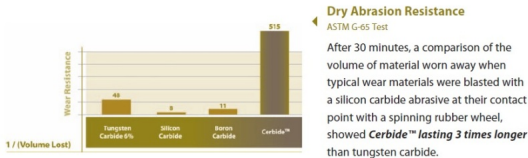
OUR Material

Our patented Cerbide (TM) material is a binderless polycrystalline Tungsten Carbide which offers superior wear resistance, corrosion resistance and improved diamond coating adhesion.

Material Properties			
	Cerbide™	6% Cobalt Carbide	6% Nickel Carbide
Hardness			
Vickers (Hv)	2400	~1560	~1540
Rockwell (a)	95.5	~92.3	~91.3
TRS (MPa)	1655	1440-3440	1720-2200
Density (g/cm ³)	>15.45	~14.90	~14.95

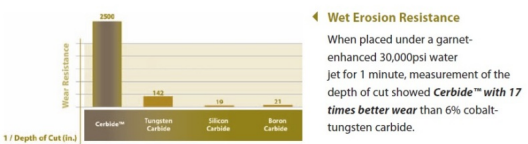
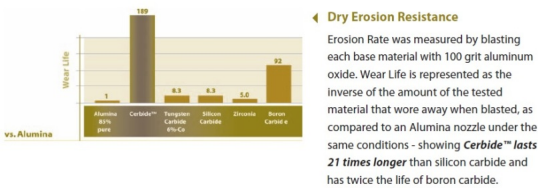
ABRASION

Cerbide™ outperforms other carbides in abrasive environments.



EROSION

Wear resistance testing dramatically highlights the superior quality of Cerbide™ compared to other available wear materials.



ABRASIVE WEAR: CARBON CUTTING TEST

Samples of popular diamond coatings applied to tungsten carbide were tested in a 30" diameter carbon disk facing operation. The number of carbon parts cut before the surface became unacceptable showed diamond coated Cerbide lasting 250% longer than diamond coating on traditional carbide.

