

## Comparison of Carbon Materials

Carbon Materials	■ Ketjen Black	■ Carbon Nanotube	■ VGCF	■ Milled Carbon Fiber	■ Carbon Fiber
Diameter (nm)	30	10	150	7000	7000
Length (um)	-	10	10	160	6000
Bulk Density (g/cm <sup>3</sup> )	0.1	0.01	0.04	0.1	0.8
Real Density (g/cm <sup>3</sup> )	1.5	2	2	1.8	1.8
Surface Area (m <sup>2</sup> /g)	800	200	15	5	2
Electrical Conductivity (Ω·cm)	>10 <sup>-1</sup>	10 <sup>-4</sup>	10 <sup>-4</sup>	10 <sup>-3</sup>	10 <sup>-3</sup>

## Electrical Conductivity

