

VAPOR GROWN CARBON FIBER

FINE CARBON

TYPICAL PROPERTIES



**SHOWA
DENKO**

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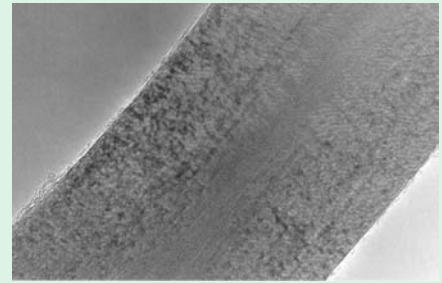
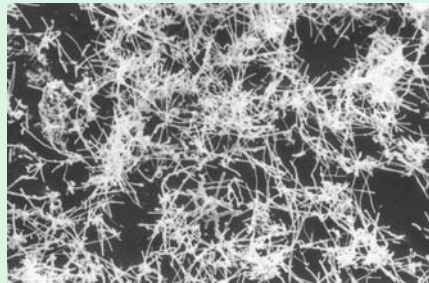
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VGCF[®]-H

VGCF[®]-H is a vapor grown carbon fiber specifically designed to enhance the electrical and thermal properties of high performance materials. VGCF[®]-H is specially processed to improve dispersion and homogeneity.

Fiber Diameter	nm	150
Fiber Length	μm	10~20
Real Density	g/cm ³	2.0
Bulk Density	g/cm ³	0.04
Specific Surface Area	m ² /g	13
Electrical Resistivity	Ωcm	1 x 10 ⁻⁴
Thermal Conductivity	W/m/k	1,200
Ash	%	0.1
Lattice Distance (C ₀)	nm	0.679

1 mm = 1,000 μm
1 μm = 1,000 nm



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VGCF[®]-H vapor grown carbon fiber is a product of Show Denko KK, Tokyo, Japan