

## **SPECIFICATION ST-300 SERIES**

**ST-300 Series** carbon is produced from selected high quality coconut shell charcoal. The carbon is custom manufactured to a high activity and undergoes intense quality control to meet the needs of the air respirator industry for superior formaldehyde adsorption. The carbon is free of dust and ammonia and contains no detectable metals such as copper, lead, mercury, nickel or chromium.

### **BASE CARBON PROPERTIES:**

Apparent Density (ASTM D 3854)	0.45 – 0.49 gm/cc Typical
Hardness Number (ASTM D 3802)	94 minimum
Specific Surface Area (N <sub>2</sub> BET method)	1000
Ash Content (ASTM D 2866)	3% maximum
Moisture as packed (ASTM D 2867)	15% - 20% Typical
PH of Water Extract (ASTM D 3836)	10.5 - 11.5

### **PARTICLE SIZE DISTRIBUTION (US MESH):**

#### **TYPE ST-308**

Retained on 8 Mesh	5% Maximum
8 x 16 Mesh	90%
Thru 16 Mesh	5% Maximum

#### **TYPE ST-312**

Retained on 12 Mesh	5% Maximum
12 x 20 Mesh	90%
Thru 20 Mesh	5% Maximum

\* Other mesh sizes available upon request.