

## Granular Activated Carbon

**Doshion's DCN** Granular Activated Carbon is a premium range of Activated Carbon which are manufactured from coconut shell charcoal. The pore structure is carefully controlled to facilitate the adsorption of low molecular weight organics

**DCN** series are intended for use in de-chlorination of water, reducing impurities (COD removal) and as pre-treatment for RO and Ion-Exchange Systems. **DCN** is also extensively used in waste water treatment applications. **DCN 600** is mainly used for applications of water and waste water treatment polishing after secondary or tertiary treatments.

### Characteristics of Doshion DCN 600:

- Very high surface area characterized by a large proportion of micropores.
- High Hardness with low dust generation
- Excellent purity, exhibiting less than 3-5% ash content.
- Renewable and green raw material.
- Available Grades: Regular, Water Washed and Acid Washed

Properties	
Grades	DCN 600
Appearance	Black odorless
Manufacturing base	Coconut shell
Type of carbon	Granular
Moisture % max	5
Hardness min	95
pH	8 to 11
Iodine Adsorption (mg/gm) (min)	600
Bulk Density gm/cc	055 ± 0.1
Ash % max	5
Surface Area (mVgm) (min)	700
Solubility	Insoluble in water and organic solvents



## DCN Selection Chart

Application	Grade Suggested
Water treatment in Beverages Industry and drinking water applications like Mineral water plants, Breweries, Fruit Juice manufacturing, Municipal drinking water, etc.	DCN 900 - 8 x 30
Water treatment in refinery, Petro-chemical industry, Chemical Industry, Pharmaceuticals, etc.	DCN 900 - 6 x 16 or DCN 900 - 8 x 30 or DCN 1000 - 8 x 30
Effluent Treatment Plants in refinery/ industrial effluents	DCN 800 - 8 x 30
Municipal Effluents	DCN 1000 - 6 x 16
Odour Control	DCN 1000 - 4 x 8
Air Conditioning Plants to arrest odour	DCN 1000 - 4 x 8
Gold Mining	DCN 900 - 6 x 12 or DCN 900 - 8 x 16
Compressed Air Purification	DCN 900 - 4 x 8
Polishing of tertiary or secondary treated water	DCN 500 - 6 x 16 or DCN 500 - 8 x 30 or DCN 600 - 6 x 16 or DCN 600 - 8 x 30

**doshion**<sup>®</sup>  
Translating Source Into Resource

### Doshion Poly Science Pvt. Ltd.

Building Number: 9 – 10, Sigma Corporates,  
Off. Sindhu Bhavan Road, Ahmedabad – 380054, Gujarat, India  
+91 079 – 4800 7766 | [polymers@doshion.com](mailto:polymers@doshion.com) | [www.doshionpoly.com](http://www.doshionpoly.com)

