

# ISC 12x30, 6x16

*Protecting and Defending: The Power of Activated Carbon*

## About Calgon Carbon

Calgon Carbon is a global leader in the manufacturing and supply of activated carbon and has advanced research and development capabilities that provide value added solutions to the challenging problems and applications faced by customers around the world. For over 60 years, Calgon Carbon's products have been used to protect and defend against a wide range of contaminants.

## Description

ISC (Israeli Shelter Carbon) is an impregnated granular activated carbon specifically designed for filtration equipment for use in Israeli air-raid shelters. This activated carbon was engineered to provide clean air and protection against both dimethyl methylphosphonate (DMMP) and cyanogen chloride (CK).

## Applications

ISC 12x30 and ISC 6x16 were developed to comply with the carbon requirements listed in "Air Ventilation and Filtration Systems for Air Raid Shelters: Filters" Standard (Annex-D, SI 4570 Part 3 (2009)).

## Features / Benefits

- Excellent protection against industrial gases and NBC agents.
- Provides both physical and chemical adsorption capacity.
- Chromium free.



## Typical Properties

Typical Properties	PRODUCT NAME
Hardness Number	85 (min)
Apparent Density	0.45 – 0.65 g/cc
Surface Area	900 m <sup>2</sup> /g (min)
Moisture, as packaged	5 % (min)

## About Activated Carbon

In pure form, activated carbon removes or "adsorbs" contaminants by attracting and binding the undesirable molecules to the carbon surface. To enhance the performance of activated carbon, the material can be "impregnated" with a variety of chemical compounds or metals. These impregnates will chemically neutralize hazardous contaminants creating a safe, non-toxic environment.



## Packing

Available in 1000-lb supersacks or 250-lb fiber drums.

### Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable federal and state requirements. Please refer to the MSDS for all up to date product safety information.

*Making Water and Air Safer and Cleaner*

[www.calgoncarbon.com](http://www.calgoncarbon.com)



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