

# Chemsorb® MultiGard® 3610



molecular

High-grade impregnated activated carbon for removal of a broad spectrum of airborne gases and vapors that offers an outstanding balance between performance and cost.

## Description

Chemsorb® MultiGard® adsorbent is specifically designed as a high-grade impregnated activated carbon for use in air purifying respirators such as those designed for EN14387 Class A, B and E or NIOSH-approved OV and AG. Based upon a high activity coconut-shell activated carbon, this material exhibits the necessary adsorption capacities for a broad spectrum of gases and vapors, including organic vapors, and acid gases. The superior hardness of coconut shell is particularly well-suited for respirators and applications where low dust and resistance to attrition are critical.

## Typical properties

## Test method

<b>Carbon base</b>	Granular Coconut-shell	
<b>Activity, CCl<sub>4</sub>*</b>	70% minimum	ASTM D3467
<b>Hardness, ball-pan</b>	95 Minimum	ASTM D3802
<b>Ash content</b>	5% Maximum	ASTM D2866
<b>Apparent density (dry)</b>	0.44-0.54 g/cc	ASTM D2854
<b>Surface area*</b>	1200 m <sup>2</sup> /g Minimum	N <sub>2</sub> BET method
<b>Moisture content, as packed</b>	5% maximum	ASTM D2867

\* Indicates properties of activated carbon prior to impregnation

## Standard mesh size (US Sieve)

<b>Molecular Products Inc. designation</b>	<b>Particle size</b>	ASTM D2862
<b>G12</b>	12 x 20	

## Particle size distribution

<b>Oversize maximum</b>	5%
<b>Nominal mesh size</b>	90% minimum
<b>Undersize maximum</b>	5%

## Standard packaging

220 lb fiberboard drums

Note: this technical datasheet indicates physical properties that are standard and typical. Molecular Products Inc. will meet customer specifications as required.

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