

# Chemsorb® MultiGard® 3800



**molecular**

High-grade impregnated activated carbon for removal of a broad spectrum of airborne gases and vapors.

## Description

Chemsorb® MultiGard® adsorbent is specifically designed as a high-grade impregnated activated carbon for use in air purifying respirators. Based upon a bituminous coal-activated carbon, this material exhibits the necessary adsorption capacities for a broad spectrum of gases and vapors, including organic vapors, acid gases, ammonia, and amines and aldehydes.

## Typical properties

## Test method

<b>Carbon base</b>	Granular bituminous coal	
<b>Activity, CCl<sub>4</sub>*</b>	60% minimum	ASTM D3467
<b>Hardness, ball-pan</b>	85 minimum	ASTM D3802
<b>Bulk density</b>	0.65 to 0.70 g/ml	ASTM D2854
<b>Moisture content, as packed</b>	6.5% to 8.5%	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>G15</b>	12 x 30	

## Particle size distribution

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

## Standard packaging

250 lb fiberboard drums

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

## Molecular Products Inc.

6837 Winchester Circle  
Boulder, CO 80301

**T** (303) 666 4400  
**F** (303) 665 0563

**E** infousa@molprod.com  
**W** www.molecularproducts.com

Doc. No. 462 Rev. B