

# Chemsorb<sup>®</sup> 1425



**molecular**

High-grade impregnated activated carbon for removal of airborne ammonia and amines.

## Description

Chemsorb<sup>®</sup> 1425 is specifically designed as a high-grade impregnated activated carbon for use in critical filtration applications such as breathing air respirators. The proprietary reagent used to impregnate this high activity coconut shell carbon has shown superior results for the absorption of airborne ammonia and amines. Chemsorb<sup>®</sup> 1425 is virtually dust-free, ammonia-free, and contains no heavy metals such as copper, lead, mercury, nickel or chromium.

## Typical properties

## Test method

<b>Carbon base</b>	Granular coconut-shell	
<b>Activity, CCl<sub>4</sub>*</b>	60, 70, or 85% 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>	0.59-0.70 g/ml **	ASTM D2854
<b>Surface area*</b>	1000 m <sup>2</sup> /g minimum	N <sub>2</sub> BET method
<b>Moisture content, as packed</b>	11-16%	ASTM D2867

\* Indicates properties of activated carbon prior to impregnation    \*\*Typical density results for 12x20 carbon with a 70% activity level.

## Standard mesh size (US Sieve)

Molecular Products Inc. designation	Particle size	ASTM D2862
<b>G1</b>	4x8	
<b>G2</b>	6x12	
<b>G3</b>	8x16	
<b>G5</b>	20x50	
<b>G12</b>	12x20	

## Particle size distribution

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

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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