

# Chemsorb® MultiGard® 354I



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

## Description

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

## Typical properties

## Test method

Carbon base	Granular coconut-shell	
Activity, CCl <sub>4</sub> *	60, 70, or 85% minimum	ASTM D3467
Hardness, ball-pan	95 minimum	ASTM D3802
Ash content	5% maximum	ASTM D2866
Apparent density	0.50-0.54 g/ml	ASTM D2854
Surface area*	1300 m <sup>2</sup> /g minimum	N <sub>2</sub> BET method
Moisture content, as packed	8-12%	ASTM D2867

\* Indicates properties of activated carbon prior to impregnation

## Standard mesh sizes (US Sieve)

Molecular Products Ltd designation	Particle size	ASTM D2862
G15	12 x 30	

## Particle size distribution

Oversize maximum	5%
Nominal mesh size	90% minimum
Undersize maximum	5%

Note: This spec sheet indicates physical properties that are standard and typical. Molecular Products Ltd will meet custom specifications as required.

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