

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

Carbon base	Granular Coconut-shell	
Activity, CCl₄*	70% minimum	ASTM D3467
Hardness, ball-pan	95 Minimum	ASTM D3802
Ash content	5% Maximum	ASTM D2866
Apparent density (dry)	0.44-0.54 g/cc	ASTM D2854
Surface area*	1200 m ² /g Minimum	N ₂ BET method
Moisture content, as packed	5% maximum	ASTM D2867

* Indicates properties of activated carbon prior to impregnation

Standard mesh size (US Sieve)

Molecular Products Inc. designation	Particle size	ASTM D2862
G12	12 x 20	

Particle size distribution

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