

Chemsorb® MultiGard® CBRN



molecular

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

Description

Chemsorb® MultiGard® CBRN adsorbent is specifically designed as a high-grade impregnated activated carbon for use in chemical, biological, radiological and nuclear (CBRN) filters for individual or collective protection. 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, amines, aldehydes, and cyanogen chloride.

Typical properties

Test method

Carbon base	Granular bituminous coal	
Activity, CCl₄*	60% minimum	ASTM D3467
Hardness, ball-pan	85 minimum	ASTM D3802
Bulk density (Dry)	0.68 g/ml maximum	ASTM D2854
Moisture content, as packed	6.5% to 9.0%	ASTM D2867

* Indicates properties of activated carbon prior to impregnation

Standard mesh size (US Sieve)

Molecular Products Inc. designation	Particle size	ASTM D2862
G15	12 × 30	

Particle size distribution

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