

Chemsorb® 1425



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

Description

Chemsorb® 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® 1425 is virtually dust-free, ammonia-free, and contains no heavy metals such as copper, lead, mercury, nickel or chromium.

Typical properties

Test method

Carbon base	Granular coconut-shell	
Activity, CCl₄*	60, 70, or 85% minimum	ASTM D3467
Hardness, ball-pan	95 minimum	ASTM D3802
Ash content	5% maximum	ASTM D2866
Apparent density	0.64-0.69 g/ml	ASTM D2854
Surface area*	1000 m ² /g minimum	N ₂ BET method
Moisture content, as packed	12-16%	ASTM D2867

* Indicates properties of activated carbon prior to impregnation

Standard mesh size (US Sieve)

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

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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