T E C H N I C A L D A T A S H E E T

Chemsorb® 16103

High-grade impregnated activated carbon for removal of acid gases including arsine, phosphine and hydrogen cyanide.

molecular

Description

Chemsorb® 16103 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 adsorption of airborne arsine, phosphine and hydrogen cyanide,.

Typical properties		Test method
Carbon base	Granular coconut-shell	
Activity, CCl_4*	70% minimum and 85% minimum	ASTM D3467
Hardness, ball-pan	95 minimum	ASTM D3802
Ash content	5% maximum	ASTM D2866
Apparent density, (dry)	0.47-0.57 g/ml typical @ 70% CTC 0.42-0.54 g/ml typical @ 85% CTC	ASTM D2854
Surface area*	1000 m^2/g minimum	N_2 BET method
Moisture content, as packed	9-12% typical	ASTM D2867

* Indicates properties of activated carbon prior to impregnation

Standard mesh size (US Sieve)

Molecular Products Inc. designation	Particle size	ASTM D2862
G3	8x16	
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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