

Chemsorb® MultiGard® 3620



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® 3620 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, E and K. 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, acid gases, and ammonia. 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) | 0.50-0.64 g/cc | ASTM D2854 |
| Surface area* | 1200 m ² /g minimum | N ₂ BET method |
| Moisture content, as packed | 9% 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

200 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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Doc. No. 557 RevC