



Riley Equipment Company
6911 Gant Road
Houston, Texas 77066
www.recofiltration.com
(281) 583-5295 Fax: (281) 583-5299

RNH Impregnated Pelletized Activated Carbon

RNH Impregnated Pelletized Activated Carbon (PAC-RNH-4x8) is a high activity, specially treated activated carbon for use in vapor-phase ammonia (NH₃) removal applications. The base material is a cylindrical - shaped carbon made from a carefully selected grade of coal. It is palletized under rigidly controlled conditions using a high-quality binder. This activated carbon possesses a high mechanical strength and lends itself well to numerous cycles of regeneration. Its shape offers a low flow resistance.

APPLICATION: Enhanced vapor phase removal of ammonia (NH₃).

UNIMPREGNATED CARBON PROPERTIES - BASE MATERIAL:

Total Surface Area, minimum (BET METHOD)	1050-1200 m ² /gm
Bulk Density (lbs./Ft ³)	30
Pore Volume (Hg displacement)	.70-0.95 cc/gm
Hardness Number, minimum (ASTM D3802)	97
Iodine Number, minimum (ASTM 04607)	1050 mg/gm
CCL ₄ Activity, minimum (ASTM 03467)	60%
Moisture, maximum (ASTM 02867)	5%
Pellet Size	4mm
Mean Particle Diameter	3.7 mm

Impregnated Carbon Properties – Base Stock + RNH

Bulk Density (lbs./Ft ³)	40
Apparent Density (ASTM 02854)	.56 gm/cc
NH ₃ removal capacity, minimum	16%

Standard Packaging: 40 lb. boxes. 200 lb. drums. 1100 lb. super sacks available.

Safety Notice: Wet Activated Carbon depletes Oxygen and creates a severe safety hazard for people working in confined spaces such as inside filters.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Riley Equipment makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product stability for specific applications. Riley Equipment assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale, or misuse of its products.