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# KoH Impregnated Pelletized Activated Carbon

KoH Impregnated Pelletized Activated Carbon (PAC-KoH-4x8) 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 hydrogen sulfide ($H_2S$), Sulfur dioxide ($SO^2$), Sulfur Compounds, mercaptans, and acid gases typically found in sewage treatment plants, pulp and paper mills, petroleum refineries and chemical plants.

**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 + KOH**

| | |
|---|---|
| Bulk Density (lbs./$Ft^3$) | 35 |
| Apparent Density (ASTM 02854) | .56 gm/cc |
| Moisture, maximum | 15% |
| $H_2S$ Capacity minimum (Calgon TM 41R) | 0.16 gm $H_2S$ /cc |

**Standard Packaging:** 35 lb. boxes. 250 lb. drums. 1280 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.