



Solvent Solutions

Activated carbon products for solvent recovery and environmental protection

Haycarb offers effective solutions to your solvent recovery needs in the form of a range of activated carbon products for every use and specification. If your operations employ or produce organic solvents as by-products that must be recovered in order to reduce costs and atmospheric pollution, we have a solution for you. Haycarb not only provides the optimal carbon type for your process, but also designs, equips, and installs a complete recovery system to suit your specific needs.

This is why our range of 3 mm and 4 mm extruded carbon pellets and granular carbons are the adsorbents of choice for this application. Depending on the type of solvent to

be removed, we can specify the perfect match from our extensive range of high capacity low ash activated carbons to yield the best treatment result. Solvent recovery systems run for several years on one charge of carbon and recovery cost, depending on the compounds involved, are lower in most cases than the price of the solvent. You may expect to recover your investments in the plant in one to three years.

Haycarb's activated carbon range includes products capable of recovering acetone, cyclohexane, carbon disulphide, toluene and methyl-ethyl ketone. We will recommend the most suitable grades to use, depending on the type of solvent used and the process conditions.



	Carbon Disulfide		Cyclhexane		Toluene		Xylene	
CTC %	50	60	50	60	50	60	50	60
Solvent vapor adsorption capacity % (w/w)	36	43	28	30	33	38	33	36
Recovery % in first cycle	65	75	65	75	75	75	75	75
Cyclic recovery % after first cycle	100	100	100	100	100	100	100	100
Steam pressure during desorption (bar)	1.0	2.0	2.0	2.0	4.0	4.0	4.0	5.0
bed temperature during desorption (°C)	120	125	125	125	150	155	155	155

Technical Information

Parameter	Typical Values
Moisture Content ASTM D2867	8% (w/w) max
Hardness No ASTM D3802	98% min
Apparent Density ASTM D2854	0.47g/cc typical
Ash Content ASTM D2866	0.5% max
Particle Size	8 x 30, 12 x 40

Packaging

Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag
Net. 500 Kg

Sacks
Net. 25 Kg

Product Testing Services

Haycarb's Research & Development laboratories in Sri Lanka and its overseas subsidiaries are equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Haycarb makes no express warranty as to suitability for specific application.



Haycarb Activated Carbon grades that are Tested and Certified by NSF International against NSF/AISI Standard 42 for material requirements only, are listed on: www.nsf.org/certified/DWTU

Component

ISO 9001:2008 Certified

ISO 14001:2004 Certified



HAYCARB
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