

TECHNICAL DATASHEET

VAPOR GRADE

INDOCARB VP E48

INDOCARB VP range of activated carbons is a perfect solution for any gaseous phase adsorption application. **VP E48** is a higher activity, granular activated carbon that is manufactured from selected grades of coconut shell. The granular shape of this carbon maximizes its geometric surface area, significantly increasing surface and pore diffusion rates and thereby increasing its effectiveness for the adsorption with a short contact time. The very high surface area and predominately micro porous pore size distribution enhance the effectiveness of this coconut shell-based carbon. In addition, they have a high retentivity to hold onto and prevent desorption of previously adsorbed organic compounds. The granular shape of carbon results in excellent gas contacting but still allows the carbon bed to operate at a relatively low-pressure drop. The high density and superior hardness provide excellent resistance to dust and fines formation.

These carbons are manufactured from the highest quality selected grades of coconut shell under stringent controls to have the ultimate hardness and attrition resistance, besides the particle size and pore structure have been specifically designed to provide the best adsorption properties. Our VP range products are processed and de-dusted to keep it extra clean. IndoCarb VP carbons are available in various grades, each with different mesh sizes, pH adjusted or washed as per additional customer requirement. These are manufactured in our ISO 9001 2000 accredited facility to meet the most stringent requirements concerning purity and reliability.

Applications: IndoCarb VP range of activated carbons are available for:

- Chemical process applications
- VOC control from air strippers, soil vapor extraction and air spurge systems
- Control of industrial emissions
- HVAC and Odor control
- Solvent recovery and as a catalyst

TYPICAL PROPERTIES: VP E48

MESH SIZE, USS	4x8
CTC ACTIVITY, %	60
IODINE NO, mg/g	1200
SURFACE AREA, m ² /g	1250
APPARENT DENSITY, g/ml MIN	0.49
HARDNESS NO.	99
Dust	nil
MOISTURE, %/weight	3
ASH, %/weight	2
pH	9 - 11

Shelf life: **3 years**, under normal warehouse storage conditions

STANDARD PACKING:

1100lbs (500kgs), 55 lbs (25kgs)
 Bags on fumigated and heat-treated wooden pallets and stretch wrapped.

Other packaging options include 1000 lbs and 27.5 lbs bags, plastic/metal drums etc.