

Filtracarb[®] SK1 P75

A powdered activated carbon manufactured from specially selected grades of bituminous coal.

The material is manufactured under stringently controlled conditions by steam activation, to produce a porous adsorbent with a highly developed internal surface area.

- Versatile liquid phase adsorbent
- Maximum pore volume characteristics
- Highly developed internal surface area
- Optimum Adsorption Kinetics
- Excellent Removal of Colour Bodies
- Supplied to BS EN ISO 9002:1994

STANDARD SPECIFICATION

Parameter	Unit	Value	Method
Type		coal	
Iodine number	mg g ⁻¹ min	1100	ASTM D4607
Moisture as packed	% max	2	ASTM D2867
% weight passing through sieve sizes as follows:	% max 200µm	100	ASTM D2862
	% min 150 µm	95	
	% min 75 µm	85	
Apparent density	g cm ⁻³	0.35	ASTM D2854
Water Soluble Matter	% max	0.2	CPL Test Method

TYPICAL PROPERTIES

Parameter	Unit	Value	Method
Bulk density	g cm ⁻³	0.36	ASTM D2854
pH aqueous extract		8	ASTM D3838
Surface area	m ² g ⁻¹	1 100	BET N ₂
Pore volume	cm ³ g ⁻¹	1.50	
Pore size distribution:-			
micropores (r < 1nm)	cm ³ g ⁻¹	0.32	N ₂ Isotherm
mesopores (r = 1-25nm)	cm ³ g ⁻¹	0.54	N ₂ Isotherm
macropores (r > 25nm)	cm ³ g ⁻¹	0.64	Hg Porosimetry