

Filtracarb FY5

A granular activated carbon manufactured from specially selected grades of coconut shells.

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

This Carbon is used in both water and air applications for the removal of light organics and gives high purity.

- Versatile multi-phase adsorbent
- Optimum adsorption kinetics
- Excellent product hardness
- Highly developed pore structure
- Supplied to BS EN ISO 9002:1994

STANDARD SPECIFICATION

Parameter	Unit	Value	Method
Type		coconut shell	
CTC	% min	55	ASTM D3467
Moisture as packed	% max	5	ASTM D2867
Mesh size US sieve:-			ASTM D2862
+ 8 (2.36 mm)	% max	5	
8 x 16 (2.36-1.18 mm)		balance	
- 16 (1.18 mm)	% max	5	
- 18 (1.00 mm)	% max	1	

TYPICAL PROPERTIES

Parameter	Unit	Value	Method
Hardness	%	99	ASTM D3802
Bulk density	g cm ⁻³	0.49	ASTM D2854
pH aqueous extract		10	ASTM D3838
Ignition temperature	°C	350	ASTM D3466
Ash	%	2	ASTM D2866
Iodine number	mg g ⁻¹	1 100	ASTM D4607
Surface area	m ² g ⁻¹	1 150	BET N ₂
Pore volume	cm ³ g ⁻¹	0.68	
Pore size distribution:-			
micropores (r < 1nm)	cm ³ g ⁻¹	0.37	N ₂ Isotherm
mesopores (r = 1-25nm)	cm ³ g ⁻¹	0.12	N ₂ Isotherm
macropores (r > 25nm)	cm ³ g ⁻¹	0.19	Hg Porosimetry