

# POWDER ACTIVATED CARBONS

## PROCARB-PAC

### Description

Rotocarb's ProCarb-PAC series of Powder Activated Carbon (PAC) is manufactured from sustainably sourced macadamia nut shells through steam activation. The resulting high-density carbon structure with a highly developed bimodal meso- and micro- porous structure allows for the adsorption of a range of molecular sizes, making this carbon ideal for a broad range of applications. Due to this unique structure, this premium grade PAC bridges the gap between conventional coal and coconut carbons and may be used as an effective alternative to either. This product is ideally suited for high-end applications.

### Product Advantages

- Steam activated
- Low ash content
- No regenerated content
- Highly developed internal surface area
- Highly effective bi-modal adsorbing pore structure
- Wide range of contaminant removal capabilities
- Rapid adsorption rate due to high degree of activation
- SANS 52903 (EN12903) Compliant - Products used for treatment of water intended for human consumption

### Water Applications<sup>1</sup>

- Potable / Drinking water treatment
- Municipal water treatment
- High-end waste water treatment
- Water re-use applications
- Surface water treatment



### General Applications<sup>1</sup>

- Adsorbent processing aid
- Toxin removal
- Food/feed additive
- Colour correction
- Odour correction
- Nutraceutical
- Pesticide and herbicide sequestration

### ProCarb-PAC Specifications

<b>Iodine Number (mg/g)</b>	900+
<b>Ash Content (wt%)</b>	< 3
<b>Moisture Content (wt%)</b>	< 8
<b>Apparent Density (kg/m<sup>3</sup>)</b>	380

### Sizing and Packaging

<b>Sizing (Micron)<sup>2</sup></b>	0-100, 0-250, 100-250, 250-425
<b>Standard Packaging</b>	20kg Bags or 335kg Bulk Bags

1. Contact for application specific / technical input

2. Contact for alternative / custom size ranges