

# PALM SHELL ACTIVATED CARBON

Activated carbon is the generic term used to describe carbonaceous adsorbents processed from wood, coal and shells of coconuts or palms.

Depending on the raw material as well as the carbonising and activation technique used in its production, a wide variety of grades of activated carbon with different characteristics can be produced; and selectively applied in liquid and gaseous phase filtration/ adsorption purposes, such as :

- Waste, domestic and potable water treatment or purification
- Air pollution control, conditioned-air filtration, gas /vapour purification
- Deodorization and decolourisation
- Gold recovery process
- Petrochemical, pharmaceutical process
- Foods /beverages /edible oils purification

We utilize Steam Activation process on palm-shell charcoal in horizontal rotary kiln with heat-recovery feature that enables :

- Uniform activation producing fine pore structures in the finished product
- Low energy cost in the production process

Professional and stringent internal quality control ensures uniform and consistent quality and grading of our product.

## PRODUCT SPECIFICATIONS

<b>PARAMETER</b>	<b>TYPICAL VALUE</b>	<b>TEST STANDART</b>
Iodine Number	1000 mg/g	ASTM D 4607-94
Butane Activity	20 ~ 30 %	ASTM D 5742-95
CCL <sub>4</sub> Activity	55 ~ 70 %	ASTM D 3467-94
Ball Pan Hardness	88 ~ 96 %	ASTM D 3802-79/94
Ash Content	5 % max	ASTM D 2866-94
Apparent Density	0.42 ~ 0.52 g/cc	ASTM D 2854-96
Moisture	5 % max	ASTM D 2867-95
pH Value	9 to 11	ASTM D 3838-80/94
Particle Size Distribution	90 % min	ASTM D 2862-92

Packing: 25 kg PP Woven bag with inner PE bag