UES
JEDA ENVIRONMENTAL SOLUTIONS

Product Data Sheet

Pt Catalyst Activated Carbon

Code : PT

About the product

PT is a high-performance catalytic activated carbon impregnated with platinum nanoparticles. Platinum undergoing exhibits exceptional catalytic activity while maintaining chemical stability, promoting reactions without itself transformation. By supporting nano-scale platinum on high-quality coconut shell activated carbon, the materialenables highly efficient reaction processes, making it ideal for exhaust gas treatment and environmental purification applications.

FEATURES

Superior Catalytic Performance
Platinum is chemically inert yet highly effective as a catalyst. It promotes various reactions without being consumed, ensuring long-term, stable activity throughout continuous use.

High Reaction Efficiency
The nano-dispersion of platinum on high-surface-area activated carbon increases active sites, accelerating reactions with minimal catalyst loading while maintaining high conversion rates.

Enhanced Adsorption Capability
The coconut shell-based activated carbon offers strong van der Waals forces, efficiently adsorbing reactant molecules. This synergizes with the catalytic action to further enhance purification performance.

PRODUCT PROPERTIES

1	Shape	–	Granular
2	Material	–	Coconut shell
3	Activation method	–	Steam Activation
4	Catalyst	–	Platinum
5	Iodine number	mg/g	800 <
6	Moisture content	%	10 >
7	Total ash content	%	5 >
8	Surface area	m2/g	ca.840
9	Pore volume	cm3/g	ca.0.035
10	Apparent density	g/cc	ca. 0.64
11	pH	–	6-8
12	Particle size	–	US 20×50 mesh

APPLICATION

VOC Removal
Effectively removes volatile organic compounds (VOCs) from exhaust gas streams. Suitable for use in emission control systems.

Environmental and Chemical Processes
Applicable in catalytic processes for environmental remediation and industrial chemical reactions.

HEALTH AND SAFETY

Review all relevant health and safety information be for using this product. For complete health and safety information, refer to the Safety Data Sheets.

PACKING

Carton

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