Activated carbon 1150

Revision: September 2026

Product Description

Activated carbon 1150 is a highly porous material characterized by its exceptional adsorption capabilities, designed for the purification of air, water, and industrial process streams. The 1150 grade provides efficient and reliable filtration across gas, liquid, and vapor phases. This Grade is a high-quality activated carbon engineered to deliver optimized physical properties, consistent adsorption performance, and mechanical reliability for standard industrial applications.

Application Areas

- Air purification and gas treatment systems.
- Water treatment and purification processes.
- Purification of industrial process streams.
- Solvent recovery, reuse, and recycling applications.

Benefits

- Maximum adsorption efficacy with superior activation technology.
- Ultra-high surface area (1200 m^2/g) for robust capture.
- Steady mechanical reliability and high purity.
- Versatile mesh sizing for high-flow systems.

Packaging, Storage & Handling

Activated carbon 1150 is packed and delivered in 25 kg paper bags as a standard pack. It should be kept in properly sealed, moisture-tight containers and stored indoors in a dry and well-ventilated area at ambient temperature. Exposure to high humidity or direct water contact should be strictly avoided to maintain adsorption capacity.

Safety

Activated carbon is generally non-hazardous. However, standard industrial hygiene practices should be followed. Avoid inhalation of carbon dust and use appropriate dust masks or respiratory protection in areas with poor ventilation. Eye protection (safety goggles) is recommended to prevent mechanical irritation from dust particles.

Shelf Life

Under recommended dry storage conditions, the product has an indefinite shelf life, provided the packaging remains intact and sealed against moisture.

Product Specification

Property	Unit	Value	Method/Standard
Surface Area	m^2/g	1200	BET analysis
Iodine Number	mg/g	1150	ASTM D4607
Bulk Density	Kg/m^3	360	ASTM D2854
pH	-	8.5	ASTM D3838
Moisture Content	wt. %	3	ASTM D2867
Ash Content	wt. %	3	ASTM D2866
Particle Size	mesh	8*30 6*12	ASTM D2862
Ball–Pan Hardness	%	90	ASTM D3802

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