Activated carbon 1000

Revision: September 2026

Product Description

Activated carbon 1000 is a highly porous material characterized by its exceptional adsorption capabilities, designed for the purification of air, water, and industrial process streams. The 1000 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

- Superior adsorption capacity with high surface area.
- High mechanical strength combined with high purity.
- Optimized particle size for high-flow filtration.
- Versatile performance across gas, liquid, and vapor phases.

Packaging, Storage & Handling

Activated carbon 1000 is packed and delivered in 25 kg paper bags or Jumbo 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	1100	BET analysis
Iodine Number	mg/g	1000	ASTM D4607
Bulk Density	Kg/m^3	375	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

© Metasan | metasan.co | 021 91006091

All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.