

SURSORB Ultra

High surface area activated carbon sphere

BREATH SAFELY AND WITHOUT ANY CONCERN! SURSORB Ultra - Standard Product Specifications

SURSORB Ultra is a high surface area activated carbon sphere (ACS) manufactured from polymeric precursors. It has better compressive strength and minimal ash content. Activated carbon spheres produced using these processes has been successfully utilized as adsorbent materials for removal of heavy metals, organic dye, carbon dioxide, volatile organic chemicals, support for catalyst, gas and energy storage and also in chemical protective clothing. The high mechanical strength of Activated Carbon Sphere (ACS) makes them attractive to use in NBC suits, jackets, gloves and masks.

SURSORB Ultra is for increased durability and extended life of operation and it helps to limit the weight of protective wear allowing ease of operation for the users.

Specifications:

Surface Area BET (m ² /g)	1350 min
Apparent Density (g/ml)	650±30
Moisture (%)	1.5 max
Ball Pan Hardness (No.)	99 min
Compressive Strength (kg/sphere)	>3.0
Ash Content (%)	0.5 max

Typical Applications

- NBC suits
- Specialty air filtration beds
- Air curtains
- Heavy metals removal
- VOCs removal
- CO₂ removal
- Catalyst support

Features and Benefits

- High surface area
- High crushing strength and high dimensional accuracy
- Increased durability and extended life of operation
- Cost efficient
- Compressive strength and minimal ash content.
- Weight reduction upto 30% in NBC suits

Available Particle Sizes

- USS Mesh 20x45 (0.355 to 0.800mm)

Standard Packaging

- 25 kg PP bags (55 lbs)
- 500 kg jumbo bags (1100 lbs)
- Other packing can be possible on request

