

NBC fabric filter media

Developing a commercial adsorption media for NBC filter fabric in AC sphere.

NBC/CBRN warfare have taken new dimension over the last decade. CBRN substances are highly toxic whether they are biological pathogens, radiation emitting substances or hazardous chemicals in industry.

NBC suits are designed to provide protection against direct contact with and contamination by radioactive, biological or chemical substances, and provide protection from contamination with radioactive materials and all types of radiation. They are generally designed to be worn for a long period to allow the wearer to function while under threat or under nuclear, biological, or chemical attack.

In military operations, the use of impermeable suits for the purpose of defending NBC contaminations for longer period is extremely uncomfortable and in hot climates the period during which protective clothing of this kind can be worn will be very short.

A user friendly light weight suit with high strength has to be adopted which provided maximum protection to the end user. A new approach is a permeable chemical protective clothing materials which allows air passages and it helps in the removal of perspiration from the protective suit. These materials are air permeable due to open porous structure. Suracsh filters pvt. Ltd being the largest producer of activated carbon sphere took the challenge in developing an activated commercial product saving the features of a high performance NBC fabrics, with more than 200 lab scale trials and pilot trials using more than 25 types of raw materials and optimizing process at each stage, finally came up with a highly stable and commercial product. Suracsh has become the single largest supplier of ACS for Indian defense forces and also enjoys the global leadership for ACS.

