

Odasorb Product Guide



Physical Properties

Grade	: Odasorb 154
Total Basis Weight	: 270 g/m ²
Thickness	: 1.07 mm / 0.042 ”
Air Permeability	: 80 cm ³ /cm ² /s @ 980 Pa.
Filter Pore Size	: MAX 81 microns, MEAN 66 microns
Carbon Type	: Coal, 325 mesh
Carbon Surface Area	: 900 - 1100 m ² /g
Carbon Content	: 32 %, 86 g/m ²
Standard Width	: 105cm, 41” effective

Mechanical and Chemical Properties

Parameter	High % Carbon	High Flow	Self Supporting	Static Adsorption	Dynamic Adsorption	Can be Pleated	Can be Moulded	Can be Wound	Cellulose Free
Oda 154			✓		✓	✓		✓	
Oda 288			✓	✓					
Oda 1000	✓				✓		✓	✓	✓
Oda 1003	✓	✓			✓			✓	✓

Typical Applications

Pleated filter units
Wound cartridge filters
Oil odour filtration in compressed air systems
Removal of odours and smoke from circulating air systems
Provides an odour removing component for HEPA filters, replacing the traditional metal support

Special Attributes

Available in a more rigid (Oda 154R) or less rigid form (Oda 154Z) as an aid to pleating

Health and Safety

Odasorb 154 is an air laid web material consisting of powdered activated carbon, cellulose wood pulp and polypropylene fibre bound onto a viscose backing with modified acrylonitrile / polyvinylacetate latex mixture. None of the materials are known to present a hazard when in the form described. The material is best stored in its original wrappings, avoiding extremes of temperature and strong odours / solvents.

If cut Odasorb 154 may produce dust. Under UK Regulations (EH40/99) the OES of the dust is quoted as LTEL (8 hr. TWA) of 3.5mg/m³ and STEL (15 min. period) of 7 mg/m³. Used material should be disposed of responsibly in accordance with Local, State or Federal regulations.