

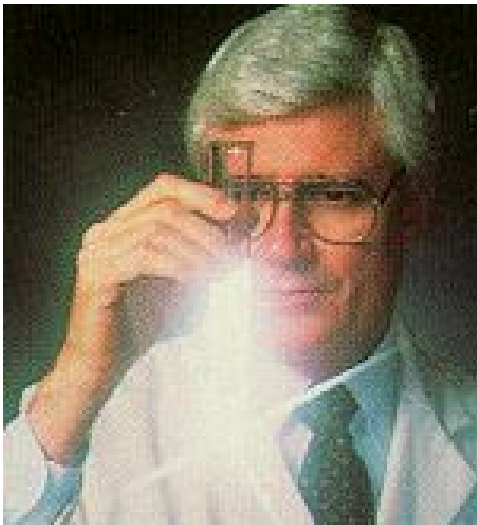
## The Carlson EE all cellulose series

Carlson has specially developed this all cellulose range of products for a number of specific applications, particularly for filtration of high viscosity liquids and for controlled absorption and emission abilities. The EE series of filter sheets is manufactured in thicknesses ranging from 1.00 to 7.00 mm and at high flow rates.

Manufactured from high quality 100% bleached cellulose fibres, the EE series is available both in normal and high wet strength versions depending on the required application. Because these sheets are made as an all cellulose grade they have very low metal and ion extractables.

The high wet strength grades are excellent for filtration of viscous liquids, even at elevated temperatures, e.g sugar syrups

The standard products find uses as extremely absorbent wicking materials in such diverse applications as diagnostic kits, air freshners, insect repellents and insecticide units.



## Carlson EE/HF series (high flow rate)

New filtration grades have been added to the EE all cellulose series to improve filtration performance at very high flow rates, by utilising both cellulose and perlites, along with approved resins.

Filtration applications include – sugar syrups, wet metallurgy, resins, pesticides, cooking oils, ointment bases, liquid soaps, silicone oils, lacquers, varnishes, inks.

Non-filtration applications include – diagnostic kits, air freshners, insecticide units, insect repellents, liquid spills.

## Physical Data

| Test Properties | Basic Weight     | Thickness | Density           | % Ash Content | Permeability                       |                                   | Absorbion values |              |
|-----------------|------------------|-----------|-------------------|---------------|------------------------------------|-----------------------------------|------------------|--------------|
|                 |                  |           |                   |               |                                    |                                   | Absorbion ratio  | g(water) /m2 |
| Units           | g/m <sup>2</sup> | mm        | g/cm <sup>3</sup> | % Weight (g)  | litres/min/m <sup>2</sup> @ 100kPa | litres/min/m <sup>2</sup> @ 40kPa |                  |              |
| EE 1.0 H        | 450              | 1.00      | 0.474             | 1             |                                    |                                   |                  |              |
| EE 2.0 H        | 500              | 2.10      | 0.239             | 1             |                                    |                                   | 4.2              | 1900         |
| EE 3.0 H        | 700              | 3.00      | 0.209             | 1             |                                    |                                   | 4.8              | 2800         |
| EE 4.0 H        | 820              | 4.00      | 0.206             | 1             |                                    |                                   | 5.0              | 3500         |
| EE3.2           | 720              | 3.20      | 0.210             | 1             |                                    |                                   | 4.8              | 3100         |
| EE3.6           | 830              | 3.60      | 0.215             | 1             |                                    |                                   | 4.8              | 3550         |
| EE4.0           | 880              | 4.00      | 0.206             | 1             |                                    |                                   | 5.0              | 3600         |
| EE4.8           | 1050             | 4.80      | 0.211             | 1             |                                    |                                   | 5.0              | 4900         |
| EE7.0           | 1500             | 7.00      | 0.212             | 1             |                                    |                                   |                  |              |
| EE4.5 HF        | 725              | 4.50      | 0.163             | 1             | 25000                              |                                   |                  |              |
| EE4.6 HF        | 850              | 4.60      | 0.185             | 14            | 13000                              |                                   |                  |              |

- The above values of nominal values for specifications contact your representative
- Absorbion ratio = mass of water absorbed per unit area i.e. 100 grams of EE2.0H will absorb approx 420 grams of water.

### Safety and disposal

Used under the correct conditions Carlson range of EE filter sheets have no known negative effects. They can be disposed of through normal route, observing local and official regulations. Consult MSDS for further information

### Storage

Store in a place which is dry, cool and free from strong odours.

### Forms of supply

EE range of filter sheets are available in all customary sizes, hygienically shrink-wrapped and packed in cardboard boxes. Special formats are available on request.

### Remarks

All Carlson Filtration Ltd filter sheets fulfil the requirements of BfR Recommendation Ch XXXVI, FDA CFR 21 176.170 and Food Chemical Codex standards, as applicable.

All our products are made in compliance with the rules of Quality Management System EN ISO 9001:2000

We provide information and advice to the best of our knowledge. This information cannot be binding in every case due to the variety of applications, work methods and operating conditions. We, therefore, cannot assume liability for improper use



**Carlson Filtration Ltd**  
**Butts Mill, Barnoldswick,**  
**Lancashire, BB18 5HP, England**  
**Tel: 00 (44) 1282 811000**  
**Fax: 00 (44) 1282 811001**  
**e-mail: [sales@carlson.co.uk](mailto:sales@carlson.co.uk)**  
**website: [www.carlson.co.uk](http://www.carlson.co.uk)**



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