

## 3M FG7-14 FB-700 Filter Bag Fabric

Category : Other Engineering Material

**Material Notes:**

3M has developed a line of advanced textiles for manufacturing high temperature filter bags which can be used at temperatures up to 700°F (371°C), or for those even higher temperature applications up to 900°F (482°C). These advanced fabrics have proven successful in hot gas filtration bag houses. (Typical properties of the textiles are provided on back.) Features: Efficient particulate filtration High temperature capability Resistance to thermal excursions Abrasion resistance Retrofit existing baghouses Applications: Cement Incineration Chemical processing Petrochemical Product collection Coal-fired boilers Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-FG7-14-FB-700-Filter-Bag-Fabric.php](http://www.lookpolymers.com/polymer_3M-FG7-14-FB-700-Filter-Bag-Fabric.php)

| Physical Properties | Metric  | English | Comments   |
|---------------------|---------|---------|--|
| Permeability        | 40 - 65 | 40 - 65 | [ft <sup>3</sup> /ft <sup>2</sup> .min],<br>@ H <sub>2</sub> O, Air w/o sizing |

| Mechanical Properties | Metric    | English | Comments |
|-----------------------|-----------|---------|----------|
| Tear Strength         | 21.0 kN/m | 120 pli | warp     |

| Thermal Properties               | Metric | English | Comments             |
|----------------------------------|--------|---------|----------------------|
| Maximum Service Temperature, Air | 371 °C | 700 °F  | continuous operation |
|                                  | 427 °C | 801 °F  | short excursions     |

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