



Donaldson  
FILTRATION SOLUTIONS

## DATA SHEET

### Filter media

Sintered Polyethylene

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|                                                     |                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appearance</b>                                   | Black                                                                                                                                                                                                                                                                                                                                   |
| <b>Use</b>                                          | Sintered panels                                                                                                                                                                                                                                                                                                                         |
| <b>Composition</b>                                  | Sintered polyethylene composite material                                                                                                                                                                                                                                                                                                |
| <b>Area weight</b>                                  | 2.6 to 2.9 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                            |
| <b>Thickness</b>                                    | 4 mm                                                                                                                                                                                                                                                                                                                                    |
| <b>Air Permeability</b> (DIN 53887)                 | 1.21 m <sup>3</sup> /m <sup>2</sup> /min@200Pa                                                                                                                                                                                                                                                                                          |
| <b>Dimensional stability at 60°C (%)</b>            | < 1.0                                                                                                                                                                                                                                                                                                                                   |
| <b>Surface finish</b>                               | PTFE emulsion coating                                                                                                                                                                                                                                                                                                                   |
| <b>Additional treatments</b>                        | N/A                                                                                                                                                                                                                                                                                                                                     |
| <b>Surface electrical resistance</b><br>(DIN 54345) | N/A                                                                                                                                                                                                                                                                                                                                     |
| <b>IFA/BIA category</b><br>(DIN 660335-2-69)        | Class M                                                                                                                                                                                                                                                                                                                                 |
| <b>Temperature (dry heat)</b>                       |                                                                                                                                                                                                                                                                                                                                         |
| Continuous                                          | 70 °C                                                                                                                                                                                                                                                                                                                                   |
| Peaks                                               | 70 °C                                                                                                                                                                                                                                                                                                                                   |
| <b>Chemical resistance</b>                          |                                                                                                                                                                                                                                                                                                                                         |
| Hydrolysis                                          | Excellent                                                                                                                                                                                                                                                                                                                               |
| Acids                                               | Very good                                                                                                                                                                                                                                                                                                                               |
| Oxidising agents                                    | Good                                                                                                                                                                                                                                                                                                                                    |
| <b>Abrasion resistance</b>                          | Excellent                                                                                                                                                                                                                                                                                                                               |
| <b>Supports combustion</b>                          | Yes                                                                                                                                                                                                                                                                                                                                     |
| <b>What to avoid</b>                                | Can be degraded by strong oxidising agents such as nitric acid, bromine or chlorine etc. Some organic solvents such as toluene may cause swelling. Avoid very cohesive, sticky materials or moisture sensitive dusts which are likely to crust on the media surface. Also avoid those materials containing oils, fats and greases, etc. |
| <b>Suitable applications</b>                        | Sintered elements are suitable for the vast majority of chemical conditions likely to be encountered in Sintamatic applications. Any dust handled should be dry and free flowing, free from any oils, fats or greases etc.                                                                                                              |