

**PURIPORE-FRS** grades are wholly open cell **Reticulated Polyester** based polyurethane foams. They exhibit excellent resistance to ultra violet light, and resistance to soap, oil and lubricants. Expansion of the products may occur depending on the concentration of organic based solvents. These grades are **FR to FMVSS302**. Available in a range of pore sizes from **10ppi to 80ppi**.

Applications include air conditioning filters, automotive filters, ventilation, oil mist elimination, speaker fronts, cosmetics and separation filters.

| <b>PURIPORE</b>   | <b>FRS10</b>                             | <b>FRS20</b> | <b>FRS30</b> | <b>FRS45</b> | <b>FRS60</b> | <b>FRS80</b> |
|---|--|--------------|--------------|--------------|--------------|--------------|
| <b>Nominal Pore Size</b><br>ppi                         | 10                                       | 20           | 30           | 45           | 60           | 80           |
| <b>Cell Count</b><br>cells/cm                           | 3-4                                      | 5-6          | 7-9          | 10-13        | 14-17        | 18-21        |
| <b>Density (ISO 845)</b><br>Kg/m <sup>3</sup>           | 26-32                                    | 26-32        | 26-32        | 26-32        | 26-32        | 26-32        |
| <b>Compression Load Deflection (ISO 3386/1)</b><br>kPa  |  | 2.1-4.1      | 2.1-4.1      | 2.6-4.6      | 2.6-4.6      | 2.6-4.6      |
| <b>Tensile Strength (ISO 1798)</b><br>kPa               |  | 55 min       | 70 min       | 75 min       | 115 min      | 125 min      |
| <b>Elongation @ Break (ISO 1798) %</b>                  |  | 100 min      | 125 min      | 150 min      | 190 min      | 210 min      |
| <b>Flammability (ISO 3795)</b><br>mm/minute (FMVSS 302) | 100 max                                  | 100 max      | 100 max      | 100 max      | 100 max      | 100 max      |
| <b>Temperature Range</b><br>Continuous                  | -20 <sup>o</sup> c to +70 <sup>o</sup> c |              |              |              |              |              |
| <b>Colours</b>  | Charcoal                                 |              |              |              |              |              |
| <b>Sheet Size</b><br>mm                                 | 2000 x 1220                              |              |              |              |              |              |

Other pore sizes, formats and colours are available on requests.

Also available are **Reticulated Polyether** foams, **Activated Carbon** impregnated foams, **Rigid Reticulated** foams an **UL94 V0** rated foams. Please contact our sales office for more information