

# Stratocell<sup>®</sup> S Plus

Closed cell Polyethylene foam, CFC and HCFC free.

| <u>PROPERTIES</u>                           | <u>TEST METHOD</u> | <u>UNIT</u>       | <u>VALUE</u> |
|---|--------------------|-------------------|--------------|
| <b>TENSILE STRENGTH</b>                     | DIN 53571          | N/mm <sup>2</sup> |              |
| Extrusion direction                         |                    |                   | 0,741        |
| Cross direction                             |                    |                   | 0,690        |
| <b>ELONGATION AT BREAK</b>                  | DIN 53571          | %                 |              |
| Extrusion direction                         |                    |                   | 80           |
| Cross direction                             |                    |                   | 75           |
| <b>COMPRESSION STRENGTH</b>                 | DIN 53577          | N/mm <sup>2</sup> |              |
| 25 % (4th compression)                      |                    |                   | 0,031        |
| 50 % (4th compression)                      |                    |                   | 0,091        |
| 70 % (4th compression)                      |                    |                   | 0,221        |
| <b>THERMAL STABILITY</b><br>(24h at 70° C)  | ASTM D-3575-S      | %                 | <3           |
| <b>THERMAL CONDUCTIVITY</b>                 | ASTM C-177         | W/mK              | 0,044        |
| <b>CELL SIZE</b>                            | BS 4443/1 Met.4    | Cells/25 mm       | ≥ 26         |
| <b>WATER ABSORPTION</b><br>(after 24 hours) | DIN 53428          | Vol %             | 0,7          |
| <b>SELF ESTINGUISHED</b><br>(FR version)    | UL 94 HF           | Class             | 1            |

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