

SEKISUI FOAM AUSTRALIA

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TECHNICAL INFORMATION

TECHNICAL DATA SHEET

Softlon® 3000 FR

Description:

Softlon® 3000 FR series is a closed cell, electron beam crosslinked, polyolefin foam with an outer skin. The foam has improved fire resistance and is free of heavy metals, plasticisers and CFCs.

Due to the unique manufacturing process, Softlon® 3000 FR exhibits consistent thickness and density.

| Property | Typical Value | Test Method |
|---------------------------|--|-------------|
| Density | 33 kg/m ³ (nominal) | Internal |
| Tensile Strength | 4.4 kg/cm ² (longitudinal) 2.6 kg/cm ² (crosswise) | JIS K6767 |
| Elongation | 250% (longitudinal) 158% (crosswise) | JIS K6767 |
| Tear Strength | 2.4 kg/cm (longitudinal) 1.5 kg/cm (crosswise) | JIS K6767 |
| Compression Strength | 0.35 kg/cm ² @ 25% deflection 1.00 kg/cm ² @ 50% deflection | Internal |
| Compression Set | 6.5% @ 25% deflection 23.0% @ 50% deflection | JIS K6767 |
| Dimensional Change Heat | -1.45% (longitudinal) -0.75% (crosswise) | 70°C, 22h |
| Flammability – Burn Rate | 0 mm/min | FMV SS 302 |
| Working Temperature Range | -80 / +100 °C | Internal |
| Thermal Conductivity | 0.035 W/m.°K, 23°C | ASTM C518 |
| Water Absorption | 0.07 mg/cm ² | JIS K6767 |
| Water Vapour Permeability | 4.6 g/m ² , 24h | JIS Z0208 |



This information on Sekisui Foam International products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.



Recommendations as to methods of post fabrication, application and use of Sekisui Foam International products are based on our experience and knowledge of the characteristics of our products and are given in good faith. As producer of the material we have no control over the application of Sekisui Foam International products and no legal responsibility is accepted for such recommendations. In particular, no responsibility is accepted by us for any system in which Sekisui Foam International products are utilised or for any application.



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