

SeaFlex®



Material Characteristics

Unique to North Sea Plastics Ltd.

Excellent tear resistance; Seaflex® can be stitched or riveted

No shrinkage

The latest generation of polyolefin elastomer

Three distinct grades of flexibility giving maximum choice to the end user

SeaFlex 100® - Ultraflex. The most flexible thermoplastic sheet material in the world

SeaFlex 200® - Medium flex. Nearest equivalent to Northvane®

SeaFlex 300® - Stiff. Still more flexible than low density polyethylene

Lightweight - The lightest thermoplastic sheet material in the market

Applications

- Flexible Liner Sockets
- Lightweight Prosthetic Liner Sockets
- Wristsplints
- Protective Helmets
- Neck Braces
- Body Jackets

Material Specifications >



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SeaFlex®

Material Specification

Sheet size for orthotics:

3.2mm, 4.8mm - 1220mm x 1220mm
6.4mm, 9.5mm, 12.7mm,
16mm - 1220mm x 812mm

Square size for prosthetics

450 x 450mm, 406 x 406mm,
343 x 343mm, 305 x 305mm,
460 x 420mm

Available in the following thickness:

3.2mm, 4.8mm, 6.4mm, 9.5mm,
12.7mm, 16mm

Tolerance on thickness:

3.2mm (min 2.4mm, max 4.1mm)
4.8mm (min 3.9mm, max 5.6mm)
6.4mm $\pm 10\%$ (mean)
9.5mm $\pm 15\%$ (mean)
12.5mm and above $\pm 5\%$ (mean)

Available in the following colours:

Natural

Moulding temperature:

Orthotics 150°C / 302°F

Prosthetics 150°C / 302°F
(SeaFlex 300 180°C/356°F)

Cooking time:

3 minutes per mm thickness

N.B. As all ovens have slightly different heating characteristics please use our recommended timings as a guide only.



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