

# Copolymer Polypropylene



## Material Characteristics

Lightweight  
Versatile  
Rigid  
High impact strength

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Maintains impact strength down  
to -20°C/-4°F

Has the ability to constantly flex  
without fracturing

Shrinkage of less than 1%\*

Manufactured to exacting specifications,  
guaranteeing consistent moulding  
performance

*\*As measured in a study conducted by NCTEPO  
at the University of Strathclyde*

## Applications

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Ankle Foot Orthosis - AFOs  
Bodyjackets  
Dynamic Ankle-Foot Orthosis - DAFOs  
Definitive Prosthetic Sockets  
Functional Foot Orthosis - FFOs  
Knee Ankle Foot Orthosis - KAFOs  
Lightweight Prosthetic Liner Sockets

**Material Specifications >**



**NORTH SEA  
PLASTICS**

[www.northseaplastics.com](http://www.northseaplastics.com)

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## Material Specification

**Sheet size for orthotics:**

2440 x 1220mm

**Square size for prosthetics**

500 x 500mm, 460 x 420mm,  
406 x 406mm, 343 x 343mm,  
305 x 305mm

**Available in the following  
thickness:**

2mm, 3.1mm, 3.5mm, 4.7mm, 6mm,  
9mm, 12mm, 15mm

Tolerance on thickness:  $\pm 5\%$

**Available in the following colours:**

Black, Flesh, Poppy Red, Royal Blue,  
Solid White, Yellow

*(Colours not available in every  
thickness. Please contact us for  
availability).*

**Moulding temperature:**

Orthotics 180°- 200°C / 356°- 392°F  
Prosthetics 200°- 220°C / 392°- 428°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.*

