



## EVA and LDPE Mix

Aortha Flex is a transparent material made from an **EVA and LDPE mix** (76% LDPE 24% EVA).

Due to the EVA content the material is very flexible.

Aortha Flex has excellent tear resistance and can be stitched or riveted.

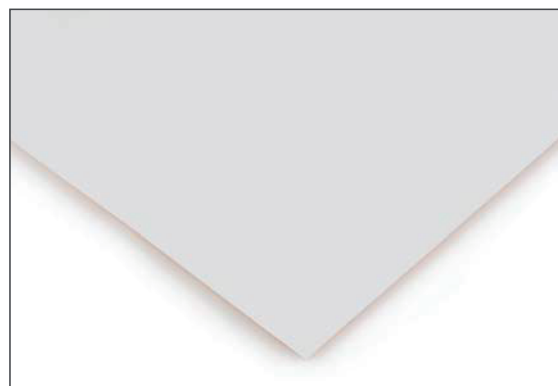
Typical thermoforming temperatures: 150°C.

### General features:

- ☑ Transparent
- ☑ Very flexible
- ☑ No shrinkage
- ☑ Good workability and flexibility

### Applications:

Body Jackets, Wrist splints, Spinal Orthoses, Neck Braces, AFOs, AK/BK Liner Sockets



### Availability:

#### (Sheeting)

Code	Sheet Size	Thickness	Colour
TA0723	2000 x 1000mm	3mm	Natural <input type="radio"/>
TA0724	2000 x 1000mm	4mm	Natural <input type="radio"/>
TA0725	2000 x 1000mm	5mm	Natural <input type="radio"/>

### Availability:

#### (Prosthetic Squares)

Code	Sheet Size	Thickness	Colour
TA3224	343 x 343mm	10mm	Natural <input type="radio"/>
TA3225	343 x 343mm	12mm	Natural <input type="radio"/>
TA3226	343 x 343mm	15mm	Natural <input type="radio"/>
TA3221	400 x 400mm	10mm	Natural <input type="radio"/>
TA3222	400 x 400mm	12mm	Natural <input type="radio"/>
TA3223	400 x 400mm	15mm	Natural <input type="radio"/>

## Material Properties:

### Properties

Density	ASTM D792 ISO 1183	g/cm <sup>3</sup>	0.951
Melt Index (190°C/2. 16Kg)	ASTM D1238 ISO 1133	g/10 min	3
Melting Point	ASTM D3418 ISO 3146	°C (F)	73 (163)
VICAT Softening Point	ASTM D1525 ISO 306	°C (F)	49 (120)
Durometer Hardness (Shore A)	ASTM D2240 ISO 868	°C (F)	86 (186)
Durometer Hardness (Shore D)	ASTM D2240 ISO 868	°C (F)	35 (95)

Maximum Processing Temperature: 230°C

Recommended temperature range for thermoforming: 70°C-90°C