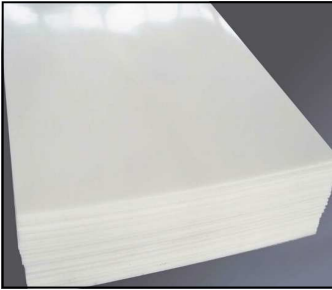


LOW DENSITY POLYETHYLENE



ORTOPLASTENE LDPE is a versatile low density polyethylene that can be sawn, cut, die cut or pinched. The main characteristic is its flexibility therefore making it ideal for applications where movement has to be considered. .

VALUES OF MATERIAL

Density g/cm:0,928

Typical thermoforming temperatures: 160°C

GENERAL FEATURES:

- Flexibility
- Good impact strength
- Very low shrinkage

Natural LDPE Sheets

Reference	Thickness	Sheet Size	Colour	
10100102	2,00 mm	2000 x 1000 mm	Natural	○
10100103	3,00 mm	2000 x 1000 mm	Natural	○
10100104	4,00 mm	2000 x 1000 mm	Natural	○
10100105	5,00 mm	2000 x 1000 mm	Natural	○

Skin LDPE Sheets

Reference	Thickness	Sheet Size	Colour	
10100203	3,00 mm	2000 x 1000 mm	Skin	●
10100204	4,00 mm	2000 x 1000 mm	Skin	●
10100205	5,00 mm	2000 x 1000 mm	Skin	●

HIGH DENSITY POLYETHYLENE



ORTOPLASTENE HIGH DENSITY POLYETHYLENE

Has excellent physical characteristics. Has more resistance to deformation than usually HDP and minimum shrinkage

VALUES OF MATERIAL

Density g/cm: 0,950

Typical thermoforming temperatures: 180°C

GENERAL FEATURES:

- Resistance to deformation
- Good flexural strength
- Very low shrinkage
- Soft to the touch



Natural HDPE Sheets

Reference	Thickness	Sheet Size	Colour	
10200103	3,00 mm	2000 x 1000 mm	Natural	○
10200104	4,00 mm	2000 x 1000 mm	Natural	○
10200105	5,00 mm	2000 x 1000 mm	Natural	○
10200106	6,00 mm	2000 x 1000 mm	Natural	○
10200110	10,00 mm	2000 x 1000 mm	Natural	○
10200112	12,00 mm	2000 x 1000 mm	Natural	○

Black HDPE Sheets

Reference	Thickness	Sheet Size	Colour	
10200803	3,00 mm	2000 x 1000 mm	Black	●
10200804	4,00 mm	2000 x 1000 mm	Black	●
10200805	5,00 mm	2000 x 1000 mm	Black	●

SUBTENE NS-500 (Subortolen)

Reference	Thickness	Sheet Size	Colour	
10400202	2,00 mm	1920 x 940 mm	Black	○
10400203	3,00 mm	1920 x 940 mm	Black	○
10400204	4,00 mm	1920 x 940 mm	Black	○



HOMOPOLYMER POLYPROLYLENE



ORTOPROPYELNE HOMOPOLYMER

Has a higher rigidity in this applications.

VALUES OF MATERIAL

Density g/cm: 0,901

Typical thermoforming temperatures: 190°C

GENERAL FEATURES:

- High rigidity
- Minimum shrinkage
- Good impact resistance

Natural PPH Sheets

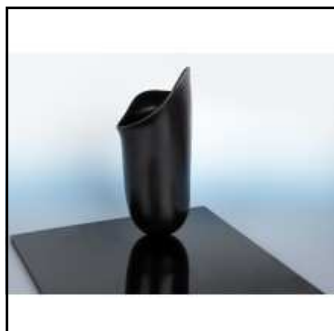
Reference	Thickness	Sheet Size	Colour	
11300102	2,00 mm	2000 x 1000 mm	Natural	○
10300103	3,00 mm	2000 x 1000 mm	Natural	○
10300104	4,00 mm	2000 x 1000 mm	Natural	○
10300105	5,00 mm	2000 x 1000 mm	Natural	○

Black PPH Sheets

Reference	Thickness	Sheet Size	Colour	
10300803	3,00 mm	2000 x 1000 mm	Black	●
10300804	4,00 mm	2000 x 1000 mm	Black	●
10300805	5,00 mm	2000 x 1000 mm	Black	●

Black PPH Prosthetic plastic

Reference	Thickness	Sheet Size	Colour	
10310812	12,00 mm	400 x 400 mm	Black	●
10310815	15,00 mm	400 x 400 mm	Black	●



ELASTOMERS

ORTOPLAST has available to offer different elastomers plastics.

The **PROTEOFLEX**, is an Elastomer PP more flexible and less rigid and strength than the usual Copolymer PP, and preferred use for production of DAFO's

MODIFLEX recommended to inner boot for AFO's and Upper Limb Orthoses soft and flexible.

PROTEO Stiff to Prosthetic socket.

VALUES OF MATERIAL

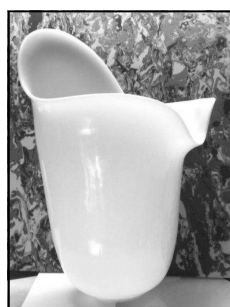
Density g/cm²: 0,910

Typical thermoforming temperature **PROTEOFLEX & PROTEO STIFF**: 180°C

Typical thermoforming temperature **MODIFLEX**: 130°C

GENERAL FEATURES:

- Resistence to deformation
- More flexible
- No mark when bending
- Long durability without fatigue



Natural PP Elastomer Proteoflex Sheets

Reference	Thickness	Sheet Size	Colour	
12300102	2,00 mm	2000 x 1000 mm	Natural	<input type="radio"/>
12300103	3,00 mm	2000 x 1000 mm	Natural	<input type="radio"/>
12300104	4,00 mm	2000 x 1000 mm	Natural	<input type="radio"/>

Natural Polyolefin Elastomer Modiflex Sheets

Reference	Thickness	Sheet Size	Colour	
10720102	2,00 mm	1000 x 1000 mm	Natural	<input type="radio"/>
10720103	3,00 mm	1000 x 1000 mm	Natural	<input type="radio"/>

Natural PP-C Proteo Stiff Prosthetic Plastics

Reference	Thickness	Sheet Size	Colour	
12310110	10,00 mm	400 x 400 mm	Natural	<input type="radio"/>
12310112	12,00 mm	400 x 400 mm	Natural	<input type="radio"/>
12310115	15,00 mm	400 x 400 mm	Natural	<input type="radio"/>

THERMOPLASTIC PETg



SUSTIPLEX (Sports masks and Spnial Orthosis) and

CHECK PLAST (Temporary check socket)

are made with a transparent thermoplastic Copolyester.

VALUES OF MATERIAL

Density g/cm²: 1,270

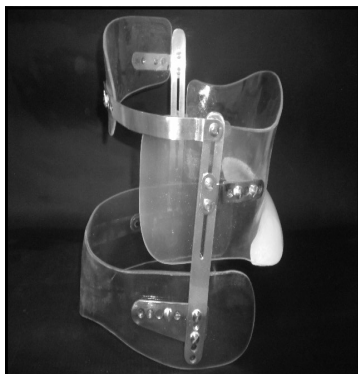
Typical thermoforming temperatures:

Sustiplex: 135°C

Check plast: 160°C

GENERAL FEATURES:

- Highly transparent even after processing
- Excellent themoforming properties
- Goodpostforming properties



Transparent SUSTIPLEX Sheets

Reference	Thickness	Sheet Size	Colour	
10821203	3,00 mm	2050 x 1520 mm	Transparent	<input type="radio"/>
10821204	4,00 mm	2050 x 1520 mm	Transparent	<input type="radio"/>
10821205	5,00 mm	2050 x 1520 mm	Transparent	<input type="radio"/>

Transparent CHECK PLAST Sheets

Reference	Thickness	Sheet Size	Colour	
10811210	10,00 mm	400 x 400 mm	Transparent	<input type="radio"/>
10811212	12,00 mm	400 x 400 mm	Transparent	<input type="radio"/>
10811215	15,00 mm	400 x 400 mm	Transparent	<input type="radio"/>
10811220	20,00 mm	400 x 400 mm	Transparent	<input type="radio"/>



POLYETHYLENE ELASTOMER

PROSTHETIC PLASTIC

MODIFLEX 300 LOW FLEXIBILITY ANTIBACTERIAL are made with a blend of Polyethylene elastomer.

VALUES OF MATERIAL

Density g/cm²: 0,91

Typical thermoforming temperatures: 175°C

GENERAL FEATURES:

The last polyethylene elastomer generation



Natural Sheets

Reference	Thickness	Sheet Size	Colour	
10731112	12,00 mm	400 x 400 mm	Natural	<input type="radio"/>
10731115	15,00 mm	400 x 400 mm	Natural	<input type="radio"/>
10731120	20,00 mm	400 x 400 mm	Natural	<input type="radio"/>

MODIFLEX 300 are made with a blend of Polyethylene elastomer.

VALUES OF MATERIAL

Density g/cm²: 0,91

Typical thermoforming temperatures: 175°C

GENERAL FEATURES:

The last polyethylene elastomer generation

Natural Sheets

Reference	Thickness	Sheet Size	Colour	
10721109	10,00 mm	400 x 400 mm	Natural	<input type="radio"/>
10721112	12,00 mm	400 x 400 mm	Natural	<input type="radio"/>
10721115	15,00 mm	400 x 400 mm	Natural	<input type="radio"/>

ETHYLENE-VINYL-ACETATE (E.V.A)

PROSTHETIC PLASTIC

MODIFLEX 100 HIGH FLEXIBILITY are made with a E.V.A .

VALUES OF MATERIAL

Density g/cm²: 0,955

Typical thermoforming temperatures: 150°C-160°C

GENERAL FEATURES:

- High flexibility
- Minimi shrinkage
- Excellent formability



Translucent Sheets

Reference	Thickness	Sheet Size	Colour	
10701110	10,00 mm	400 x 400 mm	Translucent	○
10701112	12,00 mm	400 x 400 mm	Translucent	○
10701115	15,00 mm	400 x 400 mm	Translucent	○