



CATALOGUE

# termoforming

SHEETS



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- Home Whitening
- Fluoridation
- Bracket Fixation

# Crystal 0,3mm

<b>RAW MATERIAL</b>	PVC		
<b>SHAPES / DIMENSIONS / CODES</b>	<input type="radio"/> Ø120mm	<b>BULK BOX 500 UNID.</b> APLP0605	<b>METALLIC PACKAGE 10 UNID.</b> APLP0604
	<input type="radio"/> Ø125mm	APLP0943	APLP0891
	<input type="radio"/> Ø134mm	AEMP0351	APLP0386
	<input type="checkbox"/> 125X125mm	AEMP0359	APLP0387
<b>COLORS</b>	TRANSLUCENT		
<b>PLASTICIZATION POINT</b>	VISUAL: ONDULATION		
<b>HYGROSCOPY (MOISTURE ABSORPTION)</b>	NO		
<b>FINISHING</b>	CUT: SCISSORS		



- Orthodontic Aligners
- Orthodontic Appliances

# Crystal 0,6mm

<b>RAW MATERIAL</b>	PET-G		
<b>SHAPES / DIMENSIONS / CODES</b>	<input type="radio"/> Ø120mm	<b>METALLIC PACKAGE 05 UNID.</b> APLP0929	
	<input type="radio"/> Ø125mm	APLP0930	
	<input type="radio"/> Ø134mm	APLP0913	
	<input type="checkbox"/> 125X125mm	APLP0916	
<b>COLORS</b>	TRANSLUCENT		
<b>PLASTICIZATION POINT</b>	VISUAL: ONDULATION		
<b>HYGROSCOPY (MOISTURE ABSORPTION)</b>	YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT		
<b>FINISHING</b>	<b>CUTTING:</b> SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS		
	<b>REMOVAL OF BURS:</b> TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)		
	<b>POLISHING (SHINE):</b> THERMAL BLOWER		



- Orthodontic Aligners
- Orthodontic Appliances

# Crystal 0,75mm

## RAW MATERIAL

## PET-G

### SHAPES / DIMENSIONS / CODES

	METALLIC PACKAGE QS UNID.
○ ∅120mm	APLP0607
○ ∅125mm	APLP0892
○ ∅134mm	APLP0540
□ 125X125mm	APLP0539

### COLORS

TRANSLUCENT

### PLASTICIZATION POINT

VISUAL: ONDULATION

### HYGROSCOPY (MOISTURE ABSORPTION)

YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT

### FINISHING

**CUTTING:** SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS

**REMOVAL OF BURS:** TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)

**POLISHING (SHINE):** THERMAL BLOWER



- Orthodontic Aligners
- Orthodontic Appliances

# Crystal BioAlign 0,75mm

## RAW MATERIAL

## COP

### SHAPES / DIMENSIONS / CODES

	METALLIC PACKAGE QS UNID.
○ ∅120mm	APLP0960
○ ∅125mm	APLP0959
○ ∅134mm	APLP0918
□ 125X125mm	APLP0961

### COLORS

TRANSLUCENT

### PLASTICIZATION POINT

VISUAL: ONDULATION

### HYGROSCOPY (MOISTURE ABSORPTION)

YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT

### FINISHING

**CUTTING:** SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS

**REMOVAL OF BURS:** TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)

**POLISHING (SHINE):** THERMAL BLOWER

# Features of 0,75mm sheets

MODEL	MATERIAL	AESTHETICS			PERFORMANCE		
		Transparency	Stains Resistance	Chemical Resistance	Patient Comfort	Motion Accuracy	Fissures Endurance
		%	Stain of 24h coffee	% strength of hold after 24h in rinse oral	Module flexion	Strength of retention	Endurance to fissures
BioAlign	Copolyester	++++	+++	+++	+++	+++	+++
Cristal	PETG	+++	++	++	+	+	++++

Desirable Characteristics for aligners	Required Feature	Comments
High transparency	High transparency	The BioAlign presents high transparency compared to the competence
Stable coloration	Stain resistance	The BioAlign material has undergone various tests with coffee, toothpaste and mouthwash and showed superior to competitive materials
Non-removable/leachable	Chemical resistance	Patients use various products to clean aligners that can damage the material. The BioAlign It has superior chemical resistance.
Patient comfort	Balanced flexural modulus	BioAlign's mechanical properties offer greater comforted the patient and excellent results in the treatments.
Precise Movement of the Teeth	Retention force	The BioAlign plate offers greater predictability in the movement of the teeth, which allows a better alignment with more lasting result
Sturdiness	Trait strength	The BioAlign sheet has a high durability compared to other materials

# Aligners





- Orthodontic Appliances
- Space maintainer
- Orthodontic Aligners
- Orthodontic post-treatment
- Prosthetic post-treatment
- Plan for registration

# Crystal 1,0mm

## RAW MATERIAL

PET-G

## SHAPES / DIMENSIONS / CODES

	METALLIC PACKAGE 05 UNID.
○ 120mm	APLP0609
○ 125mm	APLP0887
○ 134mm	APLP0388
□ 125X125mm	APLP0389

## COLORS

TRANSLUCENT

## PLASTICIZATION POINT

VISUAL: DRAINING OF ~1CM

## HYGROSCOPY (MOISTURE ABSORPTION)

YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT

## FINISHING

**CUTTING:** SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS

**REMOVAL OF BURS:** TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)

**POLISHING (SHINE):** THERMAL BLOWER



- Orthodontic appliances
- Space maintainer
- Bruxism
- Plan for registration
- Surgical guide

# Crystal 1,5mm

## RAW MATERIAL

PET-G

## SHAPES / DIMENSIONS / CODES

	METALLIC PACKAGE 05 UNID.
○ 120mm	APLP0611
○ 125mm	APLP0888
○ 134mm	APLP0390
□ 125X125mm	APLP0391

## COLORS

TRANSLUCENT

## PLASTICIZATION POINT

VISUAL: DRAINING OF ~1CM

## HYGROSCOPY (MOISTURE ABSORPTION)

YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT

## FINISHING

**CUTTING:** SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS

**REMOVAL OF BURS:** TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)

**POLISHING (SHINE):** THERMAL BLOWER







- Deprogrammers neuromuscular
- Bruxism
- Base plate for pt
- Single mold
- Surgical guide
- Freediving apparatus







- Single mold
- Complete denture base plate
- Bruxism

# Crystal 2,0mm

RAW MATERIAL	PET-G	
SHAPES / DIMENSIONS / CODES	 Ø120mm	METALLIC PACKAGE 05 UNID. APLP0613
	 Ø125mm	APLP0393
	 Ø134mm	APLP0392
	 125X125mm	APLP0393
COLORS	TRANSLUCENT	
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM	
HYGROSCOPY (MOISTURE ABSORPTION)	YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT	
FINISHING	<b>CUTTING:</b> SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS	
	<b>REMOVAL OF BURS:</b> TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)	
	<b>POLISHING (SHINE):</b> THERMAL BLOWER	

# Crystal 3,0mm

RAW MATERIAL	PET-G	
SHAPES / DIMENSIONS / CODES	 Ø120mm	METALLIC PACKAGE 02 UNID. APLP0614
	 Ø125mm	APLP0890
	 Ø134mm	APLP0543
	 125X125mm	APLP0571
COLORS	TRANSLUCENT	
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM	
HYGROSCOPY (MOISTURE ABSORPTION)	YES, USE PROMPTLY AFTER OPENING THE PACKAGE. STORE THE REMAINING FOILS IN THE SAME PACKAGE IN A MOISTURE-FREE ENVIRONMENT	
FINISHING	<b>CUTTING:</b> SCISSORS, LABORATORY ELECTRIC SCALPEL, CARBORUNDUM DISCS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS	
	<b>REMOVAL OF BURS:</b> TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)	
	<b>POLISHING (SHINE):</b> THERMAL BLOWER	



- Home whitening
- Fluoridation

# Soft 1,0mm

RAW MATERIAL	EVA		
SHAPES / DIMENSIONS / CODES	<input type="radio"/> Ø120mm	APLP0583	APLP0582
	<input type="radio"/> Ø125mm	APLP0936	APLP0894
	<input type="radio"/> Ø134mm	AEMP0355	APLP0394
	<input type="checkbox"/> 130X130mm	AEMP0363	APLP0395
COLORS	TRANSLUCENT		
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM		
HYGROSCOPY (MOISTURE ABSORPTION)	NO		
FINISHING	CUT: SCISSORS		



- Home whitening

# Soft 1,5mm






RAW MATERIAL	EVA		
SHAPES / DIMENSIONS / CODES	<input type="radio"/> Ø120mm	AEMP0671	APLP0672
	<input type="radio"/> Ø125mm	APLP0937	APLP0895
	<input type="radio"/> Ø134mm	AEMP0670	APLP0668
	<input type="checkbox"/> 130X130mm	AEMP0669	APLP0667
COLORS	TRANSLUCENT		
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM		
HYGROSCOPY (MOISTURE ABSORPTION)	NO		
FINISHING	CUT: SCISSORS		





Mouthguard  
Sports

# Soft 2,0mm

RAW MATERIAL	EVA		
SHAPES / DIMENSIONS / CODES	 Ø120mm	<b>BULK BOX 100 UNID.</b>	<b>METALLIC PACKAGE 10 UNID.</b>
	 Ø125mm	APLP0585	APLP0584
	 Ø134mm	APLP0938	APLP0896
	 Ø134mm	AEMP0356	APLP0396
	 130X130mm	AEMP0364	APLP0397
COLORS	TRANSLUCENT		
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM		
HYGROSCOPY (MOISTURE ABSORPTION)	NO		
FINISHING	<u>CUTTING:</u> SCISSORS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS		
	<u>REMOVAL OF BURS:</u> TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)		
	<u>POLISHING (SHINE):</u> THERMAL BLOWER		



● Mouthguard Sports

# Soft 3,0mm solids

## RAW MATERIAL

## EVA

### SHAPES / DIMENSIONS / CODES / COLORS

	BULK BOX 100 UNID.	METALLIC PACKAGE 05 UNID.
○120mm	APLP0587	APLP0586
○125mm	APLP0939	APLP0903
○134mm	AEMP0357	APLP0398
□130X130mm	AEMP0365	APLP0399
○120mm	APLP0593	APLP0592
○125mm	APLP0942	APLP0909
○134mm	AEMP0577	APLP0494
□130X130mm	AEMP0499	APLP0493
●120mm	APLP0597	APLP0596
●125mm	APLP0932	APLP0905
●134mm	AEMP0579	APLP0471
■130X130mm	AEMP0501	APLP0472
●120mm	APLP0595	APLP0594
●125mm	APLP0941	APLP0908
●134mm	AEMP0578	APLP0467
■130X130mm	AEMP0500	APLP0468
●120mm	APLP0599	APLP0598
●125mm	APLP0934	APLP0907
●134mm	AEMP0580	APLP0469
■130X130mm	AEMP0502	APLP0470
●120mm	APLP0591	APLP0590
●125mm	APLP0933	APLP0906
●134mm	AEMP0576	APLP0465
■130X130mm	AEMP0498	APLP0466
●120mm	APLP0601	APLP0600
●125mm	APLP0935	APLP0904
●134mm	APLP0476	APLP0473
■130X130mm	APLP0477	APLP0474

### PLASTICIZATION POINT

VISUAL: DRAINING OF -1CM

### HYGROSCOPY (MOISTURE ABSORPTION)

NO

### FINISHING

CUTTING: SCISSORS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS

REMOVAL OF BURS: TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)

POLISHING (SHINE): THERMAL BLOWER















Mouthguard Sports

# Soft 3,0mm bicolors

## RAW MATERIAL

EVA

### SHAPES / DIMENSIONS / CODES / COLORS

	Ø120mm	METALLIC PACKAGE 02 UNID.	APLP0741
	Ø125mm		APLP0899
	Ø134mm		APLP0737
	130X130mm		APLP0747
	Ø120mm	METALLIC PACKAGE 02 UNID.	APLP0742
	Ø125mm		APLP0900
	Ø134mm		APLP0736
	130X130mm		APLP0746
	Ø120mm	METALLIC PACKAGE 02 UNID.	APLP0740
	Ø125mm		APLP0902
	Ø134mm		APLP0735
	130X130mm		APLP0745
	Ø120mm	METALLIC PACKAGE 02 UNID.	APLP0739
	Ø125mm		APLP0898
	Ø134mm		APLP0734
	130X130mm		APLP0744
	Ø120mm	METALLIC PACKAGE 02 UNID.	APLP0743
	Ø125mm		APLP0901
	Ø134mm		APLP0738
	130X130mm		APLP0748
	Ø120mm	METALLIC PACKAGE 05 UNID.	APLP0750
	Ø125mm		APLP0897
	Ø134mm		APLP0749
	130X130mm		APLP0751

### PLASTICIZATION POINT

VISUAL: DRAINING OF ~1CM

### HYGROSCOPY (MOISTURE ABSORPTION)

NO

### FINISHING

CUTTING: SCISSORS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS





REMOVAL OF BURS: TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)

POLISHING (SHINE): THERMAL BLOWER



● Mouthguard Sports





# Soft 4,0mm

RAW MATERIAL	EVA		
SHAPES / DIMENSIONS / CODES	 Ø120mm	BULK BOX 50 UNID.	METALLIC PACKAGE 05 UNID.
	 Ø125mm	APLP0589	APLP0588
	 Ø134mm	APLP0940	APLP0910
	 130X130mm	AEMP0555	APLP0551
COLORS	TRANSLUCENT		
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM		
HYGROSCOPY (MOISTURE ABSORPTION)	NO		
FINISHING	<u>CUTTING:</u> SCISSORS, DOUBLE-SIDED PERIPHERAL CUTTING DIAMOND DISCS		
	<u>REMOVAL OF BURS:</u> TUNGSTEN DRILLS (MAXCUT/MINICUT), SCOTCH BRITE FINISHING BRUSH (HAND PIECE)		
	<u>POLISHING (SHINE):</u> THERMAL BLOWER		



- Preparation of temporary
- Compost resin matrix
- Mockups

# Milky 0,6mm

RAW MATERIAL	POLYPROPYLENE		
SHAPES / DIMENSIONS / CODES	 Ø120mm	BULK BOX 200 UNID.	METALLIC PACKAGE 10 UNID.
	 Ø125mm	APLP0603	APLP0602
	 Ø134mm	APLP0931	APLP0893
	 126X126mm	APLP0406	APLP0400
COLORS	TRANSLUCENT		
PLASTICIZATION POINT	VISUAL: DRAINING OF ~1CM		
HYGROSCOPY (MOISTURE ABSORPTION)	NO		
FINISHING	SMOOTHER SIDE OF THE PLATE FACING THE MODEL CUT: SCISSORS		

# Metallic packaging



## PROTECTION

- Against humidity
- Against scratches

Packed in metallic package through vacuum.

# Lamination instruction

1



When using thicker or rigid sheets, it is advisable work with well finished models and preferably "shallow"

2



But we don't always want to modify the model. Hiding areas we don't want to copy is a simple and very effective technique

3



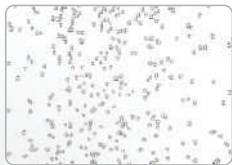
Just place the cast rack in the "cup" position and delimit the copy of the height with the spheres

4



In addition to facilitating the sheet removal, it prevents breakage of the model, makes the sheet not stretch or become too thin

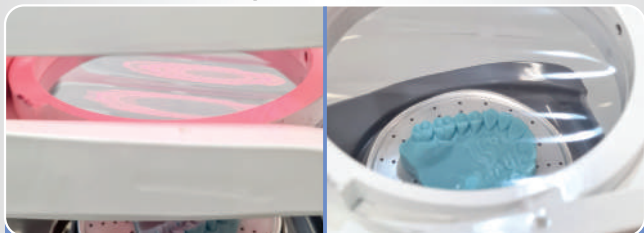
5



Use the glass spheres, they will make all the difference in your daily work!

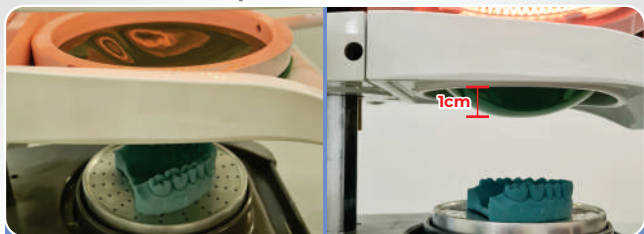
# Plasticization point

0,3 up to 1,0mm



For thinner sheets, the guidance is not to wait for runoff.  
Wrinkles signal the right time for lamination

1,5 up to 4,0mm



For thicker sheets, the orientation is to leave a "belly" of 1 cm.  
This is the right time for plasticizing



Leaving a very large belly can damage the sheet, in addition to the risk of puncturing it!

# Deliverables

**DataSheets** 

**Instruction Manuals** 

**Publicity Flyers** 

**HiRes Images** 

**Videos** 



# TOP3

in vacuum machines  
now with a huge sheets

## PORTFOLIO



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