



Essix®
Plastics



Appearance. Strength. Durability.

There are plenty of reasons to insist on authentic Essix® Plastics. But is there a better reason than because the material you use is an integral part of your treatment plan?

Dentsply Sirona is a highly-respected name in dental plastics and polymer technology. When it comes to meeting the needs of clinician and patient alike, Essix® Plastics give you the quality you demand and the versatility you need.

Choosing the Right Plastic

	Aligners – Standard	Aligners – Bruxers	Retainers – Standard	Retainers – Bruxers	Whitening Trays	Nightguards	Bruxism Appliances	Temporary Bridges	Splints	Accepts Acrylics/ Bonding Agents	Bite Planes	Snoring appliances
Essix® PLUSTM Plastic	X		X					X		X		
Essix® ACE® Plastic	X		X					X				
Essix® C+® Plastic		X		X							X	
Essix® Nightguard Laminate ⁵						X	X		X			
Essix® Dual Laminate ⁵						X			X	X		
Essix® A+® Plastic									X	X	X	X
Essix® TRAY-RITE® Plastic ⁴					X							

Chart indicates intended use.¹

Essix® plastics are not made with natural rubber latex or BPA.

Footnotes referenced in Plastic section of catalog

¹ Intended uses as cleared through 510(k) K062828 and verified through Design Controls.

² Sheridan, John J., DDS, MSD. Essix Appliance Technology: Applications, Fabrication and Rationale. 2003. GAC International Inc. Note: Essix Ace, Plus and A+ share chemical characterization profiles.

³ Yanamoto, Souichi et al. Semi-fixed versus fixed oral appliance therapy for obstructive sleep apnea: A randomized crossover pilot study. Journal of Dental Sciences. Aug 2020; 16: p. 404-409.

⁴ Product is not a medical device in most markets.

⁵ Medical device material is not CE marked.

ESSIX® PLUS™ Plastic

Primary Use: Retainers² and Aligners²

- Accepts acrylics/bonding agents
- Clear material has protective film on both sides
- May be used for fabricating temporary bridges²

THICKNESS	SHAPE	ITEM #	QTY
.035" 7/8 mm	5" Square	1APL35S5	Box of 80
	125 mm Square	1APL35S125	
	125 mm Circle	1APL35C125	
	120 mm Circle	1APL35C120	
.040" 1 mm	5" Square	1APL40S5	Box of 80
	125 mm Square	1APL40S125	
	125 mm Circle	1APL40C125	
	120 mm Circle	1APL40C120	



ESSIX® ACE®

Primary Use: Retainers² and Aligners²

- Clear material has protective film on both sides
- May be used for fabricating temporary anterior bridges²

THICKNESS	SHAPE	ITEM #	QTY
.030" 3/4 mm	5" Square	1A350	Box of 100
	125 mm Square	1A347	
	125 mm Circle	1A325	
	120 mm Circle	1A320	
.035" 7/8 mm	5" Square	1AH50	Box of 100
	125 mm Square	1AH347	
	125 mm Circle	1AH25	
	120 mm Circle	1AH20	
.040" 1 mm	5" Square	1A450	Box of 100
	125 mm Square	1A478	
	125 mm Circle	1A425	
	120 mm Circle	1A420	



Essix® ACE® Advantages



COST EFFECTIVE

Less expensive per sheet than a multi-laminate plastic.



BIO-COMPATIBLE

Safe for the patient and clinician for its intended use.



TREATS A WIDE RANGE OF MALOCCLUSIONS

PLASTICS



ESSIX® C+® Plastic

Primary Use: Retainers² and Aligners² for Bruxers

- Not for use with acrylics/bonding agents
- May be used for fabricating bite planes²

THICKNESS	SHAPE	ITEM #	QTY
.040" 1mm	5" Square	1C500	Box of 100
	125 mm Square	1C478	
	125 mm Circle	1C125	
	120 mm Circle	1C120	

ESSIX® TRAY-Rite® Plastic⁴

Primary Use: Whitening Trays

- Clings to the tooth surface
- Doesn't stretch like EVA material – helps prevent bleaching material from leaking into mouth
- No reservoirs needed when fabricated on a vacuum machine

THICKNESS	SHAPE	ITEM #	QTY
.020" 1/2mm	5" Square	70500	Box of 50
	125 mm Circle	70125	
	120 mm Circle	70120	

ESSIX® Nightguard Laminate⁵

Primary Use: Bruxism Appliances

- Single-sided construction; soft surface
- Excellent shape memory and abrasion resistance
- May be used for fabricating orthodontic repositioners and periodontal splints

THICKNESS	SHAPE	ITEM #	QTY
.120" 3mm	5" Square	1MENL	Box of 12

ESSIX® Dual Laminate⁵

Primary Use: TMJ Splints

- Dual-sided construction: hard top surface withstands mastication pressure while soft bottom surface provides patient comfort
- Accepts bonding agents
- May be used for fabricating nightguards for clenchers and grinders
- *Note: Not recommended for use in a Drufomat*

THICKNESS	SHAPE	ITEM #	QTY
.080" 2 mm	5" Square	12500	Box of 12
	125 mm Circle	12125	
.120" 3 mm	5" Square	1MEDL	Box of 12
	125 mm Circle	1MEDL125	



ESSIX® A+® Plastic

Primary Use: Bite Planes

- Clear material has protective film on both sides
- Accepts acrylics/bonding agents
- May be used for fabricating splints² and snoring appliances³
- Not suitable for bruxers/grinders

THICKNESS	SHAPE	ITEM #	QTY
.020" 1/2 mm	5" Square	10025	Box of 100
	125 mm Square	10020	
	120 mm Circle	11021	
.030" 3/4 mm	5" Square	10035	Box of 100
	125 mm Square	10030	
	125 mm Circle	11030	
	120 mm Circle	11031	
.040" 1 mm	5" Square	10045	Box of 100
	125 mm Square	10040	
	125 mm Circle	11040	
	120 mm Circle	11041	
.060" 1 1/2 mm	5" Square	10065	Box of 50
	125 mm Square	10060	
	125 mm Circle	11060	
	120 mm Circle	11061	
.080" 2 mm	5" Square	10085	Box of 50
	125 mm Square	10080	
	125 mm Circle	11080	
	120 mm Circle	11081	
.120" 3 mm	5" Square	13500	Box of 25
	120 mm Circle	13120	

