

maxill[®] VPS IMPRESSION MATERIAL

LIGHT BODY • LIGHT BODY HTS • HEAVY BODY • MONOPHASE • ALGINATE FREE • BITE REGISTRATION



- ▶ Ideal working times and setting times
- ▶ Outstanding tear strength
- ▶ Excellent dimensional stability
- ▶ Superior hydrophilic properties
- ▶ Thixotropic, yet flowable under pressure
- ▶ Outstanding detail reproduction

maxill Impression Material is a modern vinyl polysiloxane impression material characterized by its innovative surface technology giving it superior hydrophilic properties. The remarkable tear strength, dimensional accuracy, thixotropic characteristics and carving properties provide the tools you need for perfect impressions.

Strict quality control, the best features and a wide selection of materials and setting times makes maxill Impression Material the smart choice for your office.



Fast#53795

maxill SUPER LIGHT BODY

- ▶ Outstanding precision in detail reproduction
- ▶ Highly thixotropic
- ▶ Ideal consistency
- ▶ Exceptional dimensional stability
- ▶ Excellent elastic properties
- ▶ Very high tear strength
- ▶ Extra hydrophilic
- ▶ Void free
- ▶ Non-sticky

maxill Super Light Body is an extremely low viscosity vinyl polysiloxane (VPS) impression material with optimized thixotropy and extra hydrophilic properties. The exceptional elastic recovery, tear strength, and low dimensional change are the essential characteristics for perfect and accurate impressions.

Mixing time	Auto mixing system
Setting	Fast
Total working time*	1' 00"
Time in mouth	2' 00"
Total setting time*	3' 00"

Use with Mixing Tip Yellow 70 mm 1:1 maxill Item #53412



Indications

- ▶ Two step putty/wash technique
- ▶ One step putty/wash technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Reline impressions



Fast#53788
Regular#53789

maxill LIGHT BODY

- ▶ Outstanding precision in detail reproduction
- ▶ Highly thixotropic
- ▶ Ideal consistency
- ▶ Exceptional dimensional stability
- ▶ Excellent elastic properties
- ▶ Very high tear strength
- ▶ Extra hydrophilic
- ▶ Void free
- ▶ Non-sticky

maxill Light Body is an extra low viscosity vinyl polysiloxane (VPS) impression material with optimized thixotropy and extra hydrophilic properties. The exceptional elastic recovery, tear strength, and low dimensional change are the essential characteristics for perfect and accurate impressions.

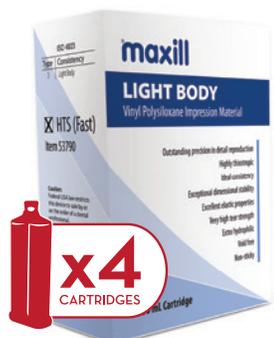
Mixing time	Auto mixing system	
Setting	Fast	Regular
Total working time*	1' 00"	2' 00"
Time in mouth	2' 00"	2' 30"
Total setting time*	3' 00"	4' 30"

Use with Mixing Tip Yellow 70 mm 1:1 maxill Item #53412



Indications

- ▶ Two step putty/wash technique
- ▶ One step putty/wash technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Reline impressions



Fast#53790

maxill HTS LIGHT BODY

- ▶ Absolute tear strength
- ▶ Outstanding precision in detail reproduction
- ▶ Highly thixotropic
- ▶ Ideal consistency
- ▶ Exceptional dimensional stability
- ▶ Excellent elastic properties
- ▶ Ultra hydrophilic
- ▶ Void free
- ▶ Non-sticky

maxill Light Body HTS is a low viscosity vinyl polysiloxane (VPS) impression material with exceptional characteristics. Its highly accurate impressions are a result of its superior wettability due to its extra hydrophilic properties. The extremely high tear strength values show resistance to tear guaranteeing superior impressions upon removal from the mouth. maxill Light Body HTS is compatible with other commercially available A-silicone impression materials.

Mixing time	Auto mixing system
Setting	Fast
Total working time*	1' 15"
Time in mouth	3' 00"
Total setting time*	4' 15"

Use with Mixing Tip Yellow 70 mm 1:1 maxill Item #53412



Indications

- ▶ Two step putty/wash technique
- ▶ One step putty/wash technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Reline impressions

*Application is at 23°C ± 2 / 73°F ± 4, 50 ± 5% relative humidity. Higher temperature reduces working and setting times and lower temperature prolongs them

**All test data is the result of internal testing conducted throughout the 2013-2014 calendar year. The information provided is given in good faith and believed to be accurate, but no warranty or guarantee is given or implied.

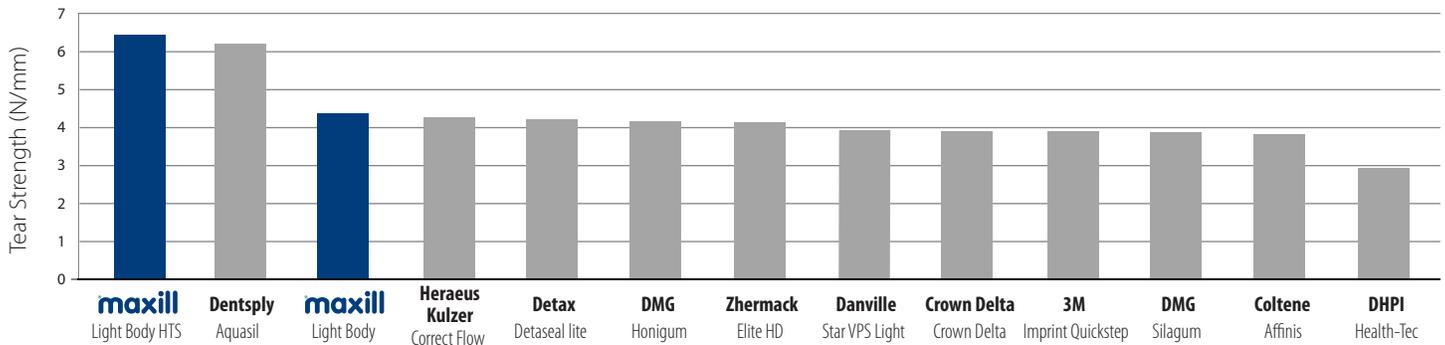
N/mm² (newton per square millimetre) is the metric unit of pressure, stress, Young's modulus and ultimate tensile strength. It is a measure of force per unit area, defined as one newton per square millimetre.

A megapascal (MPa) is a decimal multiple of the pascal, which is the SI derived unit of pressure, stress, Young's modulus and ultimate tensile strength. It is a measure of force per unit area, defined as one newton per square meter.

Tear Strength Comparison

The tear strength of maxill HTS Light Body Impression Material displayed higher tear strength when compared to similar products from other companies. This extremely useful clinical property displays that maxill Light Body HTS can withstand higher tearing forces at the most susceptible areas such as the thin interproximal areas and the depth of the gingival sulculus.

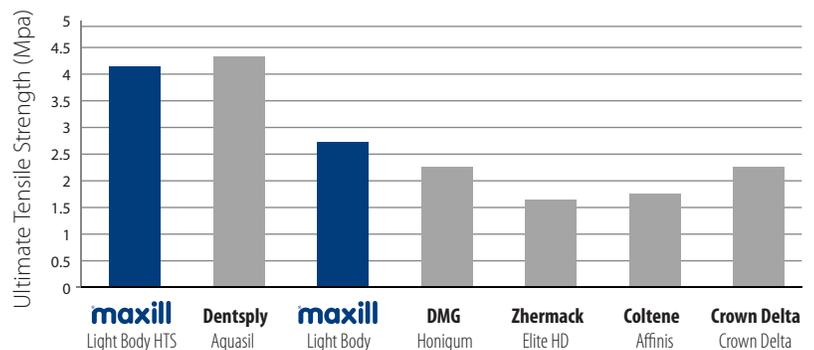
It is necessary for impression material to have maximum tear strength at the time of removal. Tearing in the impression causes defects that affect the accuracy of the final replica. Additionally, impression material remnants remaining in the sulculs can produce inflammatory reactions.



Ultimate Tensile Strength

maxill HTS and maxill Light Body Impression Material can withstand higher stress (force) compared to similar products upon removal from the dental surface.

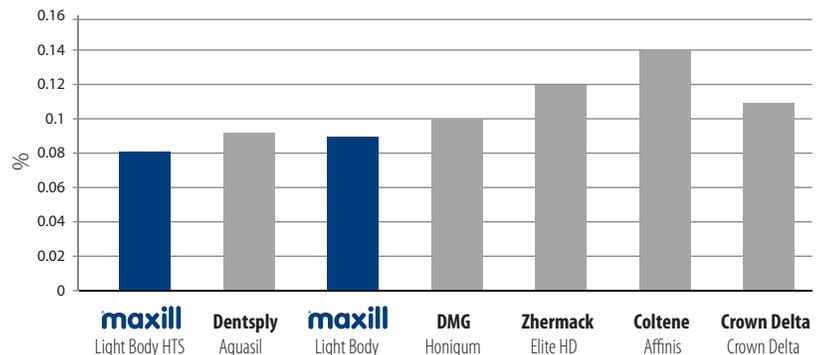
The clinical importance of this property is that when the material is removed the final replica should be highly accurate, with no changes in dimension. If the force applied exceeds the elastic value and the deformation is irreversible, the material should instantly break indicating the final impression will not be accurate.



Linear Dimensional Change

The accuracy of an impression material is greatly dependant on its dimensional stability. Both maxill light body impression materials exhibit the lowest linear dimensional change when compared to similar products.

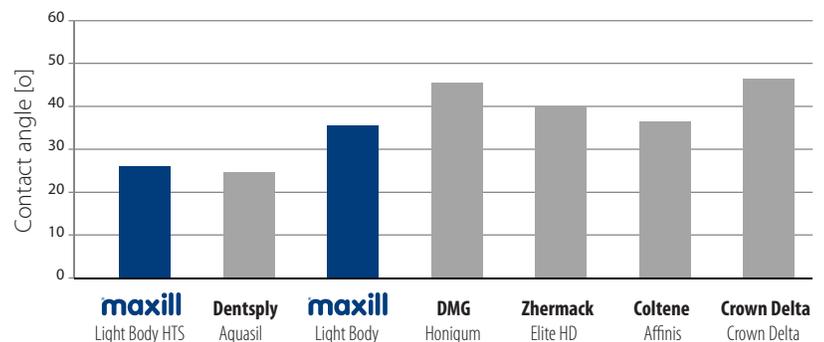
All VPS impression material must contract slightly during polymerization. The goal is to minimize the shrinkage and maxill products displayed the least linear dimensional change.



Contact Angle (Hydrophilicity)

The accuracy of impressions is also greatly influenced by the ability of the material to wet the soft and hard oral tissues. By their nature polysiloxanes are very hydrophobic materials and if used alone would only moderately wet the hydrophilic surface of the oral cavity. maxill Light Body features a special component that tremendously improves the wetting ability.

In order to determine the hydrophilicity a method called contact angle measurement is used. **The lower the angle, the better the wettability.**





maxill HEAVY BODY

maxill Heavy Body is a high viscosity vinyl polysiloxane (VPS) impression material with excellent carving properties. The innovative surface technology (extra hydrophilic) and exceptional thixotropic characteristics makes maxill Heavy Body an ideal impression tool in the hands of all clinicians.

Fast #53782
 Regular #53783



Mixing time	Auto mixing system	
	Fast	Regular
Setting	1' 00"	2' 00"
Total working time*	1' 00"	2' 00"
Time in mouth	2' 00"	2' 30"
Total setting time*	3' 00"	4' 30"

Use with Mixing Tip Green
 88 mm 1:1 maxill Item #53414

x4
 CARTRIDGES



- ▶ Thixotropic
- ▶ Exceptional dimensional stability
- ▶ Excellent elastic properties
- ▶ Remarkable tear strength
- ▶ Extra hydrophilic
- ▶ Void free
- ▶ Non-sticky

maxill HEAVY BODY - BULK

maxill Heavy Body is a high viscosity impression material recommended for use as a tray material in single step (sandwich) or double step techniques and in implantology.

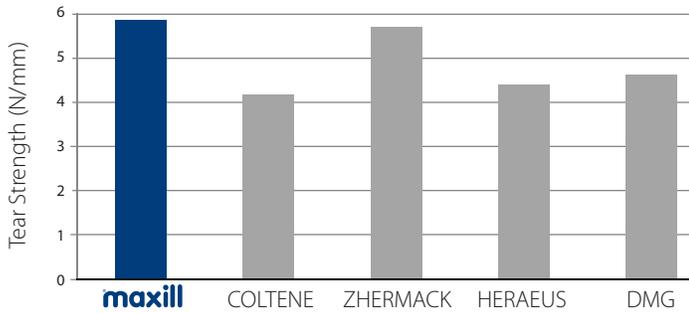
Regular #53797

Indications

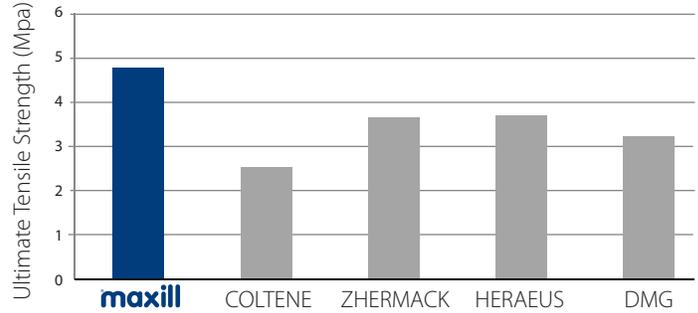
- ▶ Single step impression technique
- ▶ Double step impression technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Functional impressions

Mixing time	Auto mixing system
Setting	Regular
Total working time*	1' 30"
Time in mouth	3' 00"
Total setting time*	4' 30"

Tear Strength



Ultimate Tensile Strength



Linear Dimensional Change



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Fast#53784
Regular#53785

maxill MONOPHASE/MEDIUM BODY

- ▶ Highly thixotropic
- ▶ Ideal consistency for monophasic technique
- ▶ Exceptional dimensional stability
- ▶ Excellent elastic properties
- ▶ Remarkable tear strength
- ▶ Extra hydrophilic
- ▶ Void free
- ▶ Non-sticky

maxill Monophasic is a medium viscosity vinyl polysiloxane (VPS) impression material ideal for the monophasic technique with one viscosity. The high elastic recovery, tear strength, and low dimensional change are the essential characteristics for perfect and accurate impressions.

Mixing time	Auto mixing system	
	Fast	Regular
Setting		
Total working time*	1' 00"	2' 00"
Time in mouth	2' 00"	2' 30"
Total setting time*	3' 00"	4' 30"

Use with Mixing Tip Pink 83 mm 1:1 maxill Item #53415



Indications

- ▶ Single step impression technique
- ▶ Double step impression technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Functional impressions



Fast#53791

maxill ALGINATE FREE

- ▶ Outstanding dimensional stability
- ▶ Exceptional elastic recovery
- ▶ Highly thixotropic
- ▶ Repourable
- ▶ Long shelf life
- ▶ Remarkable tear strength
- ▶ Void free
- ▶ Non-sticky

maxill Alginate Free is a medium viscosity vinyl polysiloxane (VPS) impression material suitable for all alginate applications. maxill Alginate Free is an innovative A-silicone alginate alternative that combines outstanding detail reproduction, exceptional elastic recovery, and remarkable dimensional stability of VPS material with the properties of traditional alginates.

Mixing time	Auto mixing system	
	Fast	
Setting		
Total working time*	1' 00"	
Time in mouth	2' 00"	
Total setting time*	3' 00"	

Use with Mixing Tip Green 88 mm 1:1 maxill Item #53414



Indications

- ▶ Preliminary impressions
- ▶ Anatomic models
- ▶ Fabricating temporary crowns and bridges
- ▶ Opposing dentition
- ▶ Fabricating simple removable prosthetic restorations
- ▶ Orthodontic work
- ▶ Case study models



Regular#53780
Fast#53781

maxill PUTTY

- ▶ Exceptional dimensional stability
- ▶ Excellent elastic properties (high elastic memory)
- ▶ Remarkable tear strength
- ▶ Ideal working time/setting ratio
- ▶ Excellent consistency
- ▶ Non-sticky

maxill Putty is a very high viscosity, kneadable vinyl polysiloxane (VPS) preliminary impression material formulated to very accurately guide the flowable maxill wash material to the clinically important surfaces.

Mixing time	Auto mixing system	
	Fast	Regular
Setting		
Total working time*	1' 00"	2' 00"
Time in mouth	2' 00"	2' 30"
Total setting time*	3' 00"	4' 30"

Indications

- ▶ Two step putty/wash technique
- ▶ One step putty/wash technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Functional peripheries

Call us today **1-800-268-8633**



maxill BITE REGISTRATION

- ▶ High Shore A hardness
- ▶ Excellent dimensional stability
- ▶ Outstanding resistance to elastic rebound
- ▶ Remarkable tear strength
- ▶ Highly thixotropic
- ▶ Ideal consistency
- ▶ Void free
- ▶ Non-sticky

Indications

- ▶ Making accurate occlusal registrations
- ▶ Standard bite registrations in the end bite position
- ▶ Key material for needle point registration
- ▶ Production of small model segments

Use with Mixing Tip Green 88 mm 1:1 maxill Item #53414

Traditional (Fast)#53792
 Air (Fast)#53793
 Clear (Fast)#53794



TRADITIONAL

A medium viscosity vinyl polysiloxane (VPS) impression material for bite registrations with extremely high final Shore A hardness. maxill Traditional Bite Registration has a fast intraoral setting time and retains enough flexibility for easy trimming or cutting. The outstanding handling characteristics are essential for an accurate occlusal registration on the first attempt.



AIR

A medium viscosity vinyl polysiloxane (VPS) impression material for bite registrations which is characterized by its mousse-like consistency making it very light on extrusion. The mousse-like characteristics allow patients to bite with no resistance or any feeling of material running down the sides and allows the patient to bite easily into centric occlusion so the TMJ is properly aligned. The high thixotropy (non drip) ensures accurate placement and enhanced patient comfort. It has a fast intraoral setting time and retains enough flexibility for easy trimming or cutting.

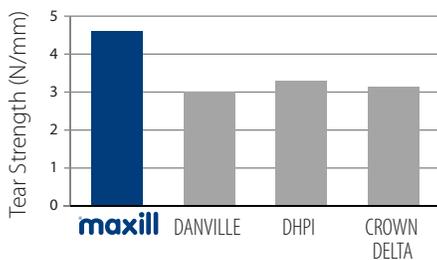


CLEAR

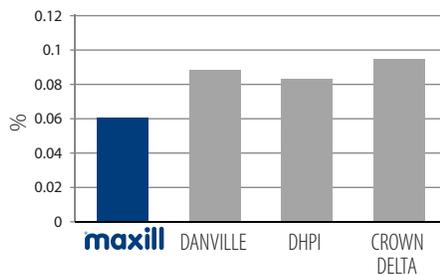
A transparent vinyl polysiloxane (VPS) bite registration material with medium viscosity and is ideal for situations where a clear view of the area can optimise the accuracy of the impression. Its novel formulation produces highly transparent matrices through which the dentist can polymerize light curing composites and, with this technique, greatly reduce the oxygen inhibition layer of the composite.

Mixing time (Traditional & Air)	Auto mixing system
Setting	Fast
Total working time*	30"
Time in mouth	45"
Total setting time*	1' 15"
(Clear)	
Total working time*	1' 00"
Time in mouth	2' 00"
Total setting time*	3' 00"

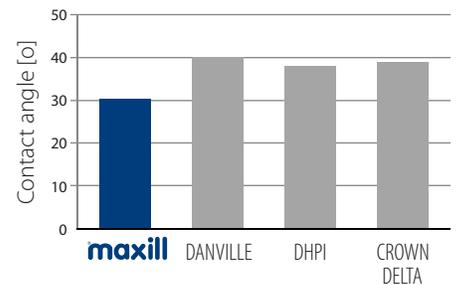
Tear Strength



Linear Dimensional Change



Contact Angle (Hydrophilicity)



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maxill SCANNABLE VPS - LIGHT

maxill Scannable VPS - Light is a scannable low viscosity vinyl polysiloxane (VPS) correction material and is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. The optimized thixotropy of maxill Scannable VPS - Light ensures easy handling. Its exceptional elastic recovery and dimensional change, combined with its extra hydrophilic properties are essential characteristics that provide high accuracy in impressions.



Fast..... #53810
Regular..... #53811

Mixing time	Auto mixing system	
	Fast	Regular
Setting		
Total working time*	1' 00"	2' 00"
Time in mouth	2' 00"	2' 30"
Total setting time*	3' 00"	4' 30"

Use with Mixing Tip Green 88 mm 1:1 maxill Item #53414



Indications

- ▶ Double step putty/wash technique
- ▶ Single step putty/wash technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Reline impressions

maxill SCANNABLE VPS - MONO (MEDIUM BODY)

maxill Scannable VPS - Mono is a scannable medium viscosity vinyl polysiloxane (VPS) correction material and is specially designed for single impressions with the monophasic technique. It is ideal for dentists who want to take advantage of the benefits of digital technology. The high elastic recovery of maxill Scannable VPS - Mono in combination with its extra hydrophilicity ensures maximum accuracy for the impression.



Fast..... #53815

Mixing time	Auto mixing system	
	Fast	
Setting		
Total working time*	1' 00"	
Time in mouth	2' 00"	
Total setting time*	3' 00"	

Use with Mixing Tip Green 88 mm 1:1 maxill Item #53414



Indications

- ▶ Single step impression technique
- ▶ Double step impression technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Functional impressions

maxill SCANNABLE VPS - HEAVY BODY

maxill Scannable VPS - Heavy is a scannable high viscosity vinyl polysiloxane (VPS) base impression material with excellent carving properties. It is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. The advanced surface technology (extra hydrophilic) along with the exceptional thixotropic characteristics makes maxill Scannable VPS - Heavy an ideal impression tool in the hands of all dentists and especially the implantologists.



Fast..... #53812
Regular..... #53813

Mixing time	Auto mixing system	
	Fast	Regular
Setting		
Total working time*	1' 00"	2' 00"
Time in mouth	2' 00"	2' 30"
Total setting time*	3' 00"	4' 30"

Use with Mixing Tip Green 88 mm 1:1 maxill Item #53414



Indications

- ▶ Single step impression technique
- ▶ Double step impression technique
- ▶ Crown/bridge work
- ▶ Inlay and onlay impressions
- ▶ Functional impressions

maxill SCANNABLE VPS - BITE AIR

maxill Scannable VPS - Bite Air is a scannable medium viscosity vinyl polysiloxane (VPS) material for bite registrations and is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. maxill Scannable VPS - Bite Air is characterized by its mousse-like consistency making it very light on extrusion. Due to its high thixotropy (non drip) it ensures accurate placement and enhanced patient comfort. It has a fast intraoral setting time and retains enough flexibility for easy trimming or cutting.



Fast..... #53814

Mixing time	Auto mixing system	
	Fast	
Setting		
Total working time*	0' 30"	
Time in mouth	0' 45"	
Total setting time*	1' 15"	

Use with Mixing Tip Green 88 mm 1:1 maxill Item #53414



Indications

- ▶ Making accurate occlusal registrations
- ▶ Standard bite registrations in the end bite position
- ▶ Key material for needle point registration
- ▶ Production of small model segments

Call us today **1-800-268-8633**

maxill DISPENSING GUN

Suitable for dispensing most 1:1 and 2:1 50 mL cartridges.
maxill Dispensing Gun....#91114



MIXPAC™ T-Mixer

Mixing Tips

maxill offers several styles and sizes of mixing tips and intra-oral extensions. Color coordinated for easy identification, maxill mixing tips are the perfect fit for your impression system.

- ▶ Shorter tip design helps reduce material waste
- ▶ Sold in bags of 48



#53414 | Green 50 mm 1:1 RATIO

(previously Green 88 mm, 1:1 RATIO)

Compatible with Intra Oral Extension Tips **#53443** or **#53444**



#53415 | Pink 40 mm 1:1 RATIO

(previously Pink 83 mm, 1:1 RATIO)

Compatible with Intra Oral Extension Tips **#53443** or **#53444**



#53412 | Yellow 30 mm 1:1 RATIO

(previously Yellow 70 mm, 1:1 RATIO)

Compatible with Intra Oral Extension Tips **#53441** or **#53442**



#53410 | Brown 15 mm 1:1 RATIO

(previously Brown 36 mm, 1:1 RATIO)

Compatible with Intra Oral Extension Tips **#53440**



#53416 | Light Blue 31 mm 1:1 RATIO

(previously Light Blue 64 mm, 1:1 RATIO)



#53425 | Light Blue 39 mm 4:1 RATIO

(previously Light Blue 77 mm, 4:1 RATIO)

maxill Mixing Tip Intra Oral Extensions



#53439

#53440

#53441

#53442

#53443

#53444

Mixing Tips Intra Oral Extensions

Extra Extra Small Clear#53439
Extra Small 45D Clear..... #53440
Small Yellow 26 mm.....#53441
(100 per box)

Small Yellow 21 mm#53442
Large Clear..... #53443
L-Flare Clear..... #53444



Dynamic Mixing Tips

maxill's high quality Dynamic Mixing Tips are the best option for you to use with your automatic impression material mixing systems.

Yellow..... #53401
Red..... #53402
White..... #53403
(48 per bag)

Material Properties	Putty	Heavy		Monophase		Alginate Free		Light		Light HTS	Super Light	
ISO 4823 Classification	Type 0 Putty consistency	Type 1 heavy-bodied consistency		Type 2 medium-bodied consistency		Type 2 medium-bodied consistency		Type 3 light-bodied consistency		Type 3 light-bodied consistency	Type 3 light-bodied consistency	
Mixing ratio	1:1	5:1	1:1	1:1		1:1		1:1		1:1	1:1	
Mixing time	30s hand mix	Auto mixing system		Auto mixing system		Auto mixing system		Auto mixing system		Auto mixing system	Auto mixing system	
Setting	Fast Regular	Regular	Fast Regular	Fast Regular	Fast Regular	Fast	Fast	Regular	Fast	Fast		
Total working time*	1m 00s 2m 00s	1m 30s	1m 00s 2m 00s	1m 00s 2m 00s	1m 00s 2m 00s	1m 00s	1m 00s	2m 00s	1m 00s 2m 00s	1m 15s	1m 00s	
Time in mouth	2m 00s 2m 30s	3m 00s	2m 00s 2m 30s	2m 00s 2m 30s	2m 00s 2m 30s	2m 00s	2m 00s	2m 30s	2m 00s 2m 30s	3m 00s	2m 00s	
Total setting time*	3m 00s 4m 30s	4m 30s	3m 00s 4m 30s	3m 00s 4m 30s	3m 00s 4m 30s	3m 00s	3m 00s	4m 30s	3m 00s 4m 30s	4m 15s	3m 00s	
Strain in compression min - max (%)	1-3	3-5	3-5		3-5		3-5		3-5		3-5	3-5
Elastic recovery (%)	>99.0	>99.5	>99.5		>99.5		>99.5		>99.9		>99.9	>99.9
Dimensional change (%)	<0.2	<0.2	<0.2		<0.2		<0.2		<0.15		<0.2	<0.2
Shore A hardness	68±2	75±2	75±2		60±2		45±2		50±2		62±2	47±2

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Watch the Tear Strength Test

www.maxill.com/ca/tear-strength

Properties	Traditional	Air	Clear
Consistency	medium-bodied	mousse type	medium-bodied
Mixing ratio	1:1	1:1	1:1
Mixing time	Auto mixing system	Auto mixing system	Auto mixing system
Setting	Fast	Fast	Fast
Total working time*	30s	30s	1m 00s
Time in mouth	45s	45s	2m 00s
Total setting time*	1m 15s	1m 15s	3m 00s
Dimensional change (%)	<0.1	<0.1	<0.3
Shore A hardness	93±2	85±2	70±2

Material Properties	Heavy		Light		Mono	Bite Registration
ISO 4823 Classification	Type 1 heavy-bodied consistency		Type 3 light-bodied consistency		Type 2 medium-bodied consistency	Air mousse type consistency
Mixing ratio	1:1		1:1		1:1	1:1
Mixing time	Auto mixing system		Auto mixing system		Auto mixing system	Auto mixing system
Setting	Fast Regular	Fast Regular	Fast Regular	Fast Regular	Fast	Fast
Total working time*	1m 00s	2m 00s	1m 00s	2m 00s	1m 00s	30s
Time in mouth	2m 00s	2m 30s	2m 00s	2m 30s	2m 00s	45s
Total setting time*	3m 00s	4m 30s	3m 00s	4m 30s	3m 00s	1m 15s
Strain in compression min - max (%)	3-5		3-5		3-5	-
Elastic recovery (%)	>99.5		>99.9		>99.9	-
Dimensional change (%)	<0.2		<0.2		<0.2	<0.1
Shore A hardness	75±2		50±2		60±2	87

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FAST
DELIVERY

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Alberta
 Fast service to Western Canada
 from our Edmonton Warehouse

- All prices are subject to change
- Cannot be combined with any other offer
- All products are subject to availability
- *Free shipping on orders of over \$250
- *Shipping surcharges may apply for certain rural or remote areas