



# Lucitone® Denture Base System

# Lucitone 199<sup>®</sup> Denture Base Resin

With over 40 years of clinical success, Lucitone 199 is part of the industry's leading denture base resin family that is top of mind for both dental laboratories and dentists alike. Dentists know and trust Lucitone 199 in their dentures, and have for years.

Lucitone 199 is the premium choice for both tissue and implant-supported full and partial dentures, offering outstanding aesthetics, high impact resistance, and superb flexural strength.

- Industry standard for premium high-impact denture base resins. Trusted and reliable.
- Superior high-impact resistance and flexural

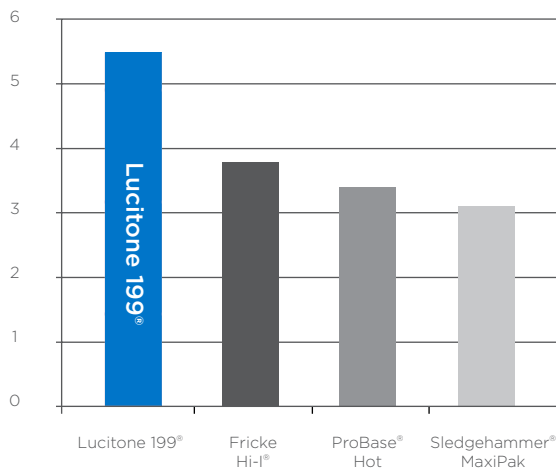
strength. Resists breakage.

- Balanced translucency and excellent vein simulation. Delivers aesthetic results.
- Compression packed or injected (See Success Injection System on back page). Adapts to laboratory processes.
- Available in Original, Light, Light Reddish Pink and Dark Pink shades. To meet a broad range of patients' needs.
- Available in various packaging sizes and powder/liquid kits to fit the needs of laboratories of any size.

## The Industry's Leading High-Impact Denture Base.

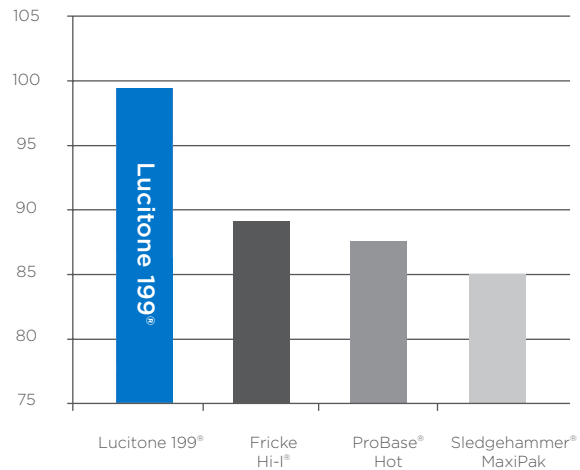
①

Izod Impact Strength, N-m



②

Flexural Strength, Mpa



1. Physical properties of four acrylic denture base resins, Meng TR Jr, Latta MA J Contemp Dent Pract. 2005 Nov15;6(4):93-100. Valplast<sup>®</sup>, tcs<sup>®</sup>, DuraFlex<sup>™</sup>, Hi-I<sup>®</sup>, ProBase<sup>®</sup>, Sledgehammer<sup>®</sup>, IvoBase<sup>®</sup>, Ivocap<sup>®</sup> and FlexPress<sup>®</sup> are not registered trademarks of DENTSPLY International Inc.

# Lucitone® HIPA (High Impact Pour Acrylic)

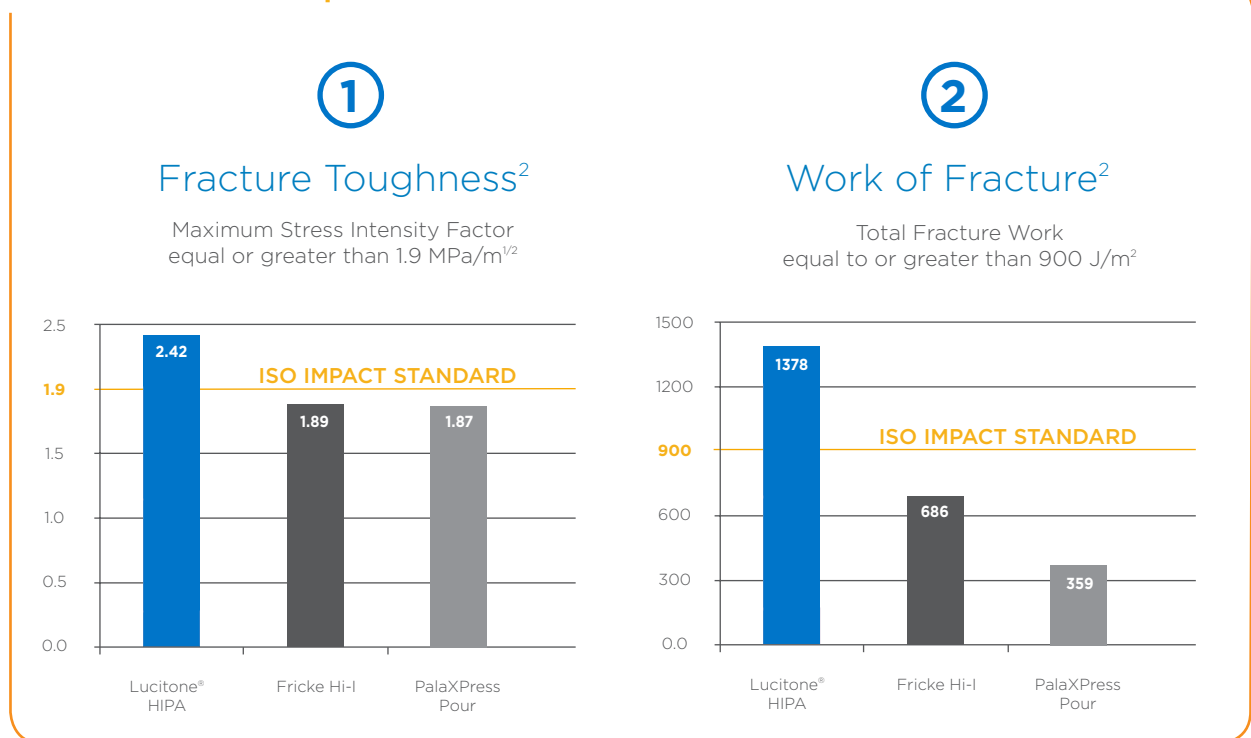
New Lucitone® HIPA is the first high impact pour acrylic for improved durability. This self-cure denture base material is designed for use in fabrication, repair, rebasing, or relining of full and partial dentures including implant overdentures or other dental appliances.

Lucitone HIPA's increased durability reduces the potential for fractures in the dental lab resulting in time and cost savings due to less remakes. Additionally, the high impact strength reduces the risk of breakage from the patient during normal use.

- Lucitone HIPA is the first pour acrylic to meet both ISO impact resistance standards

- 200% stronger than other pourable acrylics<sup>2</sup>
- Delivers strength faster. 21% savings in hands-on working time compared with heat-cure technique<sup>3</sup>
- Accurate and excellent fit to model. Designed to enable consistent production of well-fitting dentures.
- Excellent color stability ensures that the denture you make will retain it's shade for a more satisfied patient. Easier to shade match during repairs.

## Lucitone® HIPA is the **first** pour acrylic to meet both ISO impact standards:



2. ISO is an independent, non-governmental international organization with a membership of 163 national standards bodies. Through its members, it brings together experts to share knowledge and develop voluntary, consensus-based, market relevant International Standards that support innovation and provide solutions to global challenges. 200% stronger claim is a comparison to other cold cure options currently available on the market, determined by Dentsply Sirona testing (Lucitone® HIPA n=54, PalaXpress n=20, HI-I Pour n=20).

3. Time savings is based upon hands-on working time. It does not compare curing times, which are much shorter with pourable acrylics. The time study was conducted by an experienced Dentsply Sirona Lab Technician. The results illustrate the potential time savings between pouring and heat curing. The experience and skill of individual technicians will impact your potential time savings. The best way to determine the time savings in your lab is to conduct similar time comparisons.

# Lucitone® FRS® Flexible Denture Resin

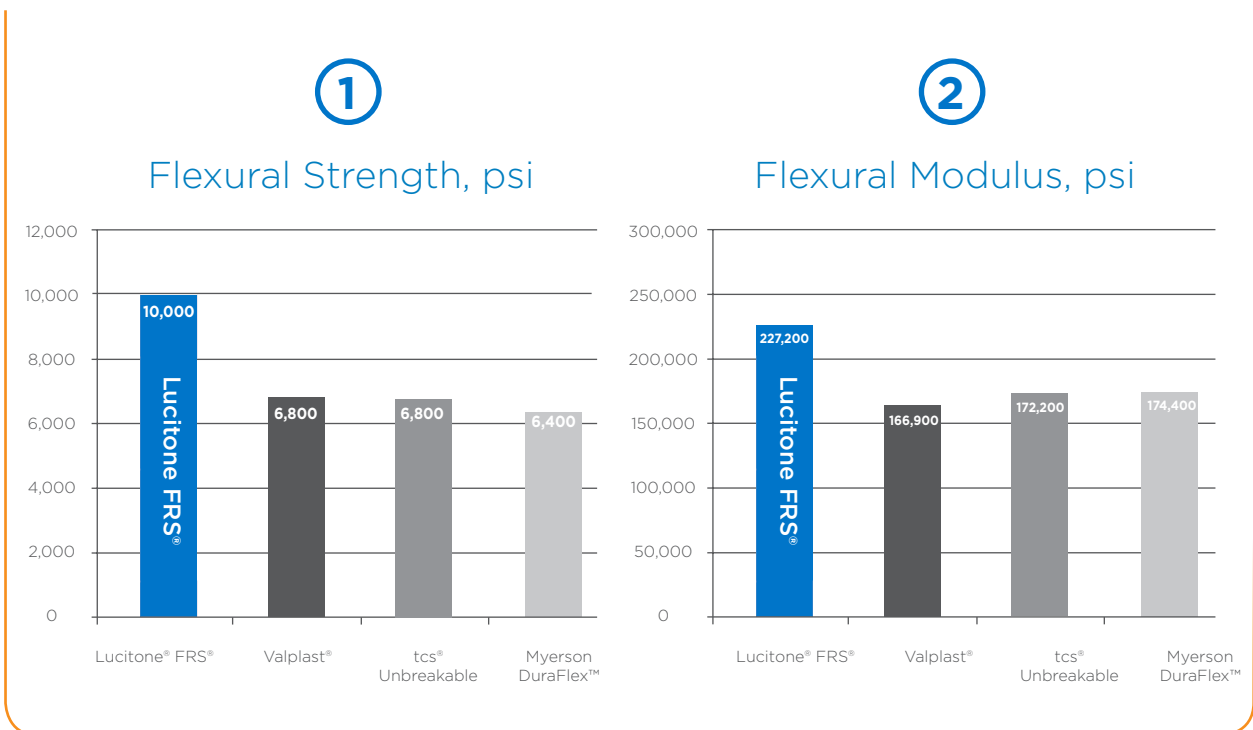
Designed for use with the Success® Injection System, Lucitone FRS Flexible Denture Resin is a monomer-free thermoplastic injectable resin that offers flexibility, high-impact resistance and transparency, delivering aesthetic partial dentures and clear or colored clasps.

Lucitone FRS enables dental laboratories to select the comfort that is right for the patient and case situation. Flexibility ranges from a firmer more resilient design (2mm thickness) all the way to a super flexible partial (1.5mm thickness).

- Semi-crystalline nylon composition for improved color stability and stain resistance.

- Easy to finish and polish due to the microcrystalline structure. Saves time.
- Monomer- and metal-free.
- Available in Original, Light Pink, Light Reddish Pink, Dark Pink and Clear shades. Aesthetic shade options.
- Clear shade for fabrication of clear clasps, occlusal splints, and night guards. Offers greater versatility.
- Available in three (3) cartridge sizes: Small, Medium and Large. Adapts to laboratory needs.

## Mechanical Property Comparison - Lucitone FRS vs Competitive Materials<sup>4</sup>



4. Mechanical Property Comparison by DENTSPLY Prosthetics. Data on File.

# A Lucitone® Denture Resin for Every Need

## Lucitone 199® Disc

The NEW Lucitone 199 Denture Base Disc enables the dental lab to produce a Dentsply Sirona Digital Denture in house. Design an upper or lower digital denture arch, mill it, bond it with Dentsply Sirona Premium Portrait® IPN® denture teeth, polish and go.

- Maintain dimensional stability under high speed milling.



## Lucitone 199® Repair Material

Lucitone 199 Repair Material provides excellent bond strength and a high-polish finish.



- Aesthetic
- Reliable
- Available in Original, Light, Light Reddish Pink and Dark Pink shades

## Characterized Lucitone®

Characterized Lucitone is a highly characterized denture base resin with long fibers that achieve realistic vascular simulation.



- Available in Light, Light Reddish Pink and Reddish Pink shades
- Gingival tone powders available

## Lucitone® Clear Pour

Lucitone® Clear Pour is a self-curing denture base material designed for use in fabrication, repair, rebasing, or relining of full and partial dentures including implant overdentures, or other dental appliances.



- Clear and colorless
- Pourable acrylic

## Luci-Sof® Soft Denture Liner

Luci-Sof Soft Denture Liner is a long-term denture liner that creates an excellent bond to the denture base and stays soft and flexible.



- Long lasting soft reline
- Stain resistant
- Available in pre-mixed sheets or injectable cartridges

## Lucitone® Intensive Color Kit



Lucitone® Intensive Colors provide esthetic excellence with versatile characterization options. Highly pigmented acrylic powders enable technicians to mix with self-curing acrylic powder/liquid systems, and individually characterize a denture.

- Five base colors that can be used to create a variety of shade options.

## Lucitone® Clear

Lucitone Clear is a quality resin with excellent physical strength properties that can be compression packed or injected.



- Flexural strength
- Transparency

## Hy-Pro Lucitone®

Hy-Pro Lucitone is a high-production, high-quality denture base resin that offers excellent strength, fracture resistance, dimensional and color stability.



- Quick set-up time - ready to pack in 3 minutes
- Up to 60 minute working time
- Available in Fibered Light, Pink, Fibered and Fibered Dark shades

# Greater Versatility is the Key to Success

## Success® Injection System



The Success Injection System combines the precision of high-pressure injection with the top performance of Lucitone® denture base materials. The result is a wide variety of dental appliances delivered with more consistency and greater accuracy than the standard compression molding technique.

The high-pressure injection drives resin into a closed flask to deliver precise adaptation of the model. Injecting denture resin under continuous pressure fills all voids completely and compactly, eliminating the need for trial packing. The closed-flask injection significantly reduces the chance for change in vertical dimension of occlusion. This kind of precision means few, if any, occlusal processing errors for a great fit.

### Success - The Most Versatile Injection System

	Success®	IvoBase®	Ivocap®	Valplast®	tcs®	FlexPress®
Heat Cure Acrylic	X	X	X			
Pour Acrylic	X					
Thermoplastic	X			X	X	
Microwave	X					
Silicone Soft Liner	X					

## Lucitone Processing Methods

	Lucitone® HIPA	Lucitone® Clear Pour	Lucitone 199®	Lucitone® FRS®	Hy-Pro Lucitone®	Lucitone® Clear	Characterized Lucitone®	Lucitone 199® Repair	Luci-Sof® Soft Denture Liner
Compression Pack			X		X	X	X	X	X
Pour	X	X							
Inject			X	X	X	X			X
Microwave Process			X						

## Dentsply Sirona® Denture Teeth

Dentsply Sirona denture teeth provide dental laboratories options to address multiple patient needs for full and partial dentures.

**Portrait® IPN®** - The most life-like tooth with a unique multi-part blend providing the optimum in shading and youthful translucency. For the best in material durability and natural anatomy.



Superior Premium



**Bioform® IPN®** - A denture tooth providing muted striations on the labial surfaces delivering a more monochromatic appearance that is well suited for a natural, mature and distinguished smile.



Balanced Premium



**TruExpression®** - The denture tooth that offers a harmony of “True-to-Life” shade blending and durable materials. For the next step in improved dental appearance and functional durability.



Custom Deluxe



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