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Myerson VisiClear Disc Instructions

Item Code	Product	Description
VCDISC-98-15	VisiClear Disc	15mm
VCDISC-98-20	VisiClear Disc	20mm
VCDISC-98-25	VisiClear Disc	25mm

Section 1: System Overview

Myerson VisiClear is an advanced thermoplastic for making semi-translucent flexible partial denture frameworks.

Section 2: Product Composition

Ingredients	Approx % weight
Ethylene Propylene Copolymer	>99.95%
Pigments	< 0.05%

Section 3: Technical Data

Property	Method	Nominal Value
Density-Specific Gravity	ASTM D792	.902 sp gr 23/23°C
Tensile Strength	ASTM D638	4060 psi
Tensile Elongation	ASTM D638	12.00%
Flexural Modulus	ASTM D790	1% Secant: 145000 psi
Notched Izod Impact	ASTM D256	.0988 ft lb/in
Moisture Absorption	ASTM D570	0.05%

Section 4: Indications

Partial denture frameworks or clasps
Occlusal splints and night guards.

Section 5: Contraindications

Contraindications are all applications not included in SECTION 4.

Section 6: Preparation Guidelines

General preparation guidelines for all removable appliances should be followed.

Section 7: Design of Restoration

Partial denture framework (minimum thickness)

- Major connector: 1.2 mm
- Saddle area: 0.8 mm
- **Clasp on anterior tooth**
- 3.0 mm where clasp joins framework, thinning to 0.7mm at tip Clasp on posterior tooth
- 4.0 mm where clasp joins framework, thinning to 0.7mm at tip

Section 8: Milling

1. Mount the disc according to the CAM-System instructions. There is no enlargement factor.
2. Start the milling unit
3. Select appropriate milling strategy depending on the appliance to be fabricated.
4. Once the milling operation has completed, remove the disc containing the milled restoration(s).

Section 9: Post Milling

1. Remove the restoration(s) from the disc using a separating disc or suitable acrylic bur.
2. To polish the restoration, load a new polishing wheel or buff with polish suitable for thermoplastic materials and buff all areas of the appliance until all scratches are removed and high shine is achieved.

Notice: All VisiClear discs are solely for use by or on the order of a dental professional. They are not for use by the general public or over-the-counter.



Milled appliances made from Myerson's discs are not to be re-milled. Re-milling may result in warping since the device will no longer have the support of the body of the puck. Also, the remaining material may not have sufficient retention areas needed for the new device.

Section 10: Handling & Storage

Please refer to SDS.

Section 11: Regulatory

ISO 13485:2016