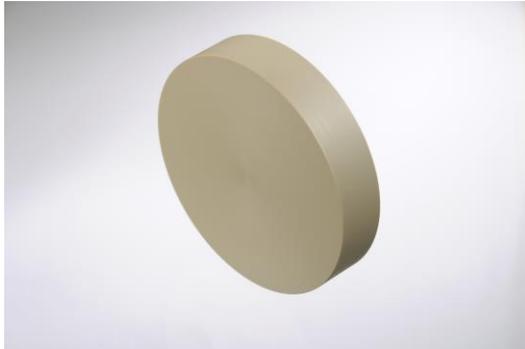


## Instructions For Use

CE 0120

Device: JUVORA™ Dental Disc



### Indications

For the manufacture of frameworks used in the production of:

- i) Full and partial removable dentures and overdentures;
- ii) Implant dentures and implant bars;
- iii) Anterior and posterior crowns, and posterior 3-unit bridges (maximum 1 pontic)

### Contraindications

Not to be used in bridges with 2 or more pontics.

### Precautions

Follow the milling parameter guidance given in the Juvora processing guide:

- The minimum thickness of secondary crowns and matrix housings should not be less than 0.7 mm
- The minimum thickness for “conventional” retention grids should not be less than 2 mm.
- Minimum size of horizontal retainer in lower jaw 2 mm x 8 mm
- Minimum size of horizontal band in upper jaw 2 mm x 8 mm

### Material Information

JUVORA™ Dental Discs are manufactured from Invibio PEEK-OPTIMA® LT1 polymer

Form:	Solid
Colour:	Grey/Brown
Odour:	Odourless.
pH (Value)	Not known.
Boiling Point (°C):	Not known.
Melting Point (°C):	343
Flash Point (°C):	Not known.
Auto Ignition Temperature (°C):	595
Oxidising Properties:	Not applicable.
Vapour Pressure (Pascal):	Not known.
Density (g/ml):	~1.3
Solubility (Water):	Insoluble.

### Processing Instructions

Detailed processing instructions are provided and must be observed by the end users (dental labs and technicians) when milling frameworks from the JUVORA™ Dental Disc. Dental labs that are supplied with the disc will be certified through JUVORA™ Ltd, a process that involves assessment of their capability to follow the processing guidance to manufacture high quality frameworks and finished dentures were applicable using their existing equipment. This assessment will be completed by JUVORA™ Ltd or their certified milling centres.

---

## Production

JUVORA™ Dental Disc blanks can only be processed on suitable milling machines with appropriate milling programs. The milling head must be suitable for machining PEEK polymer. JUVORA™ Ltd recommends suitable adaptation of the CAM software by the software manufacturer to allow milling of JUVORA™. For an exact fit, a 5-axis milling machine of stable construction is recommended. JUVORA™ Ltd also recommends cooling the milling head for more accurate milling and to prolong its useful life. \*See foot note.

## Prosthesis removal from the Dental Disc

Remove the prosthesis carefully from the blank using a hard metal cutter, and pay particular attention to the edges of the prosthesis.

## Finishing

For finishing work, hard metal cross-cut burs are recommended. Plain cross-cut burs or special fine-toothed burs are particularly suitable. Further fine finishing of horizontal bands and retainers can be carried out with a silicon polisher. Before high-gloss polishing, Invisio recommends brushing on the polishing motor. The device can be polished to a high gloss with a goat hair or cotton wool buffing wheel. For the insides of telescope attachments, JUVORA™ Ltd recommends fine brushes. Use fine (white) polishing paste.

## Safety Information

While machining the JUVORA™ Dental Disc the following safety precautions are recommended:

- Dust mask or dust extraction
- Personal protective equipment (eye protection, gloves)

## Storage Information

The JUVORA™ Dental Disc should be stored in dry storage and avoid exposure to direct sunlight. The PEEK-OPTIMA® polymer from which the JUVORA™ Dental Disc is made is stable and can be stored for an extended period of time (10 year shelf life). It has a working temperature range from cryogenic up to 250°C and hence the storage temperature range for the JUVORA™ Dental Disc is any ambient temperature and humidity.

## Additional Information

For additional information contact [info@juvoradental.com](mailto:info@juvoradental.com)

JUVORA Ltd

Technology Centre, Hillhouse International,  
Thornton Cleveleys, Lancashire, FY5 4QD, UK

Tel: +44 (0)1253 898000

[www.juvoradental.com](http://www.juvoradental.com)

**\*Note:** Talk to the manufacturer of your machine about the processing of PEEK. Follow the instructions of your CAM and the manufacturer of your machine relating to the processing of JUVORA Dental Discs