

## E-IDB

Let us  
print your  
part!<sup>1</sup>



EnvisionTEC's E-IDB printing material for the Perfactory family of 3D printers is a flexible solution for producing indirect bonding trays for the precise placement and release of orthodontic brackets.

E-IDB is a biocompatible certified Class I material that allows an orthodontist to place all of the necessary brackets at once, cutting the bracket application time in half and saving the patient time at the chair.

Software is used to determine optimal placement of the brackets needed for tooth positioning and design a custom tray for the patient. 3D printing this tray using E-IDB and one of EnvisionTEC's professional grade 3D printers results in a high quality appliance with higher accuracy than previously achievable.

The brackets are placed in the 3D printed appliance and transferred to the patient's mouth, allowing for optimal placement of the brackets. A UV light adheres the brackets to the patient's teeth and the flexible tray is then removed, transferring all the individual brackets to the teeth.

| Material Properties <sup>2</sup> |                        |
|----------------------------------|------------------------|
| Description                      | Value                  |
| Brookfield Viscosity             | 1.1 - 1.6 Pa•s at 23°C |
| Elongation at break              | 12 - 18%               |
| Shore A                          | 80 - 90                |
| Tensile strength                 | 4.47 MPa               |
| Tensile modulus                  | 13.6 MPa               |
| Color                            | Clear                  |

| Recommended 3D Printer Family <sup>3</sup> |
|--|
| Perfactory Family, Micro Family            |

<sup>1</sup> Learn more at [EnvisionTEC.com/printmypart](https://EnvisionTEC.com/printmypart)

<sup>2</sup> All data provided is preliminary and must be verified by the individual user

<sup>3</sup> May not be suitable for all machine models within a 3D printer family. Please refer to specific model online