

# Micro Material

## Clear Guide M

EnvisionTEC's Clear Guide M is a crystal clear material for the production of accurate drill guides on the Perfactory® line of 3D Printers. The results produced by combining Clear Guide M with EnvisionTEC technology are superior to traditional methods of manufacturing implant placement guides. The clearest material available on the market today allows for maximum visibility. High resolution 3D printing allows for precisely targeted placement of implants. Finally, the cost of high quality drill guides can be dramatically lower when produced using Clear Guide M on an EnvisionTEC 3D printer in comparison to previous machining methods, making EnvisionTEC the clear choice for any digital dental laboratory.

| Material Properties* |                                |                         |
|----------------------|--------------------------------|-------------------------|
| Method               | Description                    | Value                   |
| DIN 1342-2           | Viscosity                      | 339.8 mPa*s             |
| DIN EN ISO 527-1     | Tensile Strength               | 51.6 MPa                |
| DIN EN ISO 527-1     | Elongation at Break            | 6.62%                   |
| DIN EN ISO 178       | Bending Strain                 | 8.43%                   |
| DIN EN ISO 178       | Flexural Modulus               | 1,920 MPa               |
| DIN EN ISO 178       | Flexural Strength              | 88.4 MPa                |
| DIN EN ISO 180       | Izod Impact-Notched            | 4.99 kJ/m <sup>2</sup>  |
| DIN ISO 1183-1       | Density                        | 1.185 g/cm <sup>3</sup> |
| DIN EN ISO 868       | Hardness (Shore D)             | 85 Shore                |
| DIN 53765            | Glass Transmission Temperature | 86 C - 160 C            |

\*All data provided is preliminary data and must be verified by the individual user.

| Recommended Machines  |
|-----------------------|
| Perfactory® Micro DPG |

| Applications |
|--------------|
| Dental       |

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