

# Micro Material

## Ortho Tough M

EnvisionTEC's Ortho Tough M printing material for the Micro series of 3D printers is an extremely tough resin for use in 3D printing solutions for orthodontic labs and practices. Its primary use is for the production of dental models used for manufacturing clear orthodontic aligners with a suckdown method. Ortho Tough M builds quickly on the Micro series without sacrificing the surface quality needed for high-quality orthodontic models.

Material Properties*		
Description	Uncured	Cured 5 Min x 2
Tensile Strength	32 MPa	53.8 MPa
Tensile Modulus	1104 MPa	1480 MPa
Elongation at Break	10%	6.8%
Flexural Strength	62 MPa	90 MPa
Flexural Modulus	1363 MPa	2064 MPa

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

Recommended Machines
Perfactory® Micro Ortho

Applications
Models for use in the production of clear orthodontic aligners



### EnvisionTEC GmbH

Brüsseler Straße 51 • D-45968  
Gladbeck • Germany  
Phone +49 2043 9875-0  
Fax +49 2043 9875-99

### EnvisionTEC, Inc.

15162 S. Commerce Dr.  
Dearborn, MI 48120 • USA  
Phone +1-313-436-4300  
Fax +1-313-436-4303

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

[info@envisiontec.com](mailto:info@envisiontec.com)