

# PowerResins Ortho Model

## Orthodontic model resin for Aligners Vacuum Thermoforming

PowerResins OrthoModel is a special 3d printer resin for orthodontic dental model printing. It was developed for high dimensional stability and to be pressure resistant for vacuum thermoforming.

- Suitable for Vacuum Thermoforming
- High accuracy dental model printing
- Pressure resistant and high stability
- Works with any type of DLP or LED/LCD 3d printer
- Fast curing properties for fast printing
- Hızlı baskı için hızlı kurlenme özelliğine sahiptir



### VACUUM FORMING

High accuracy and pressure resistant for vacuum forming of aligners



### PRESSURE RESISTANT

Resist to high pressure and suitable for vacuum forming



### HEAT RESISTANT

Models are stable at high temperatures which is suitable for vacuum thermoforming

## MATERIAL PROPERTIES

| PROPERTY          | STANDART     | VALUE                          |
|-------------------|--------------|--------------------------------|
| Flexurel Strength | ASTM D790-02 | 76.1 Mpa                       |
| Flexurel Modulus  | ASTM D790-02 | 2344 Mpa                       |
| Tensile Strength  | ASTM D638    | 22.2 Mpa                       |
| Density           | ASTM D1475   | 1.1 g/cm <sup>3</sup> at 23 °C |
| Viscosity         | DIN 53211-4  | 200-225 mPa.s at 23 °C         |
| Shore Hardness    | ASTM D2240   | 76.75                          |
| Color             | Light Pink   |                                |

