

PRECISION 3D RESINS

# KeyOrthoModel™



## FEATURES OF KEYORTHOMODEL™

- Designed for high-speed prints (150+µm z-axis layers) that are highly-accurate, hard and strong
- Fast and accurate – can build at least 780 µm per minute printing @ 200µm z-axis layers
- Perfect for thermoforming orthodontic devices
- Maintains stability when subjected to thermoforming temperatures.

#4220003 KeyOrthoModel™, 35.3 oz (1 kg)

| PROPERTY                    | PROCEDURE    | TESTING           | KEYORTHOMODEL™ |
|-----------------------------|--------------|-------------------|----------------|
| Tensile Strength (MPa)      | ASTM D638-03 | Pull Force        | 51.5           |
| Elongation at break %       | ASTM D638-05 | Pull Force        | 5.60%          |
| Young's Modulus (MPa)       | ASTM D638-04 | Pull Force        | 1853           |
| Flexural Strength (MPa)     | ASTM D790    | Flex Force        | 79.6           |
| Flexural Modulus (MPa)      | ASTM D790    | Flex Force        | 2293           |
| Flexural Strain % (Max 10%) | ASTM D790    | Flex Force        | 7%             |
| Tg (°C)                     | DSC          | Thermal Analysis  | 50-60°C        |
| Shore Hardness (D)          | Scale D      | Physical Analysis | 86D            |
| IZOD Impact (J/m)           | ASTM D256    | Physical Analysis | 42.3           |