



## xDENT201-Gray

A high-resolution material designed for ultrafast production of orthodontic models. Showcasing great accuracy and dimensional stability, xDENT201-Gray is your material of choice when printing models in high volumes for aligner manufacturing or other orthodontic modeling needs. This matte gray resin provides excellent visibility to fine feature details, and you can print a full build of flat models in 20 minutes.



### Properties

| Mechanical Properties   | Method               | xDENT201-Gray             |
|-------------------------|----------------------|---------------------------|
| Tensile Stress at Break | ASTM D638            | 54.92MPa                  |
| Young's Modulus         | ASTM D638            | 2366.65MPa                |
| Elongation at Failure   | ASTM D638            | 4.03%                     |
| Other Properties        |                      |                           |
| Shore Hardness (solid)  | ASTM D2240           | 80Shore D                 |
| Viscosity @ 25°C (77°F) | Cone/Plate Rheometer | 350mPas                   |
| Liquid Density          | ASTM D4052-18a       | 1.05~1.1g/cm <sup>3</sup> |

\*Results based on validated workflow

### Validated Workflows

| Exposure Parameters    | NexaX default                                       |
|------------------------|---|
| Wash                   | 2 minutes, Isopropyl Alcohol and let dry            |
| Cure (XiP Wash + Cure) | 2 cycles, 15 minutes each side, ambient temperature |
| Cure (xCURE)           | 1 cycle for 30 minutes, ambient temperature         |

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