

# ONX TOUGH 2

The only 3D printing resin  
FDA-cleared for fixed hybrid dentures



500g bottles available now in:

**A1** SRI-0202123

**A2** SRI-0202124

**BLEACH** SRI-0202125

Introducing SprintRay OnX Tough 2, a groundbreaking dental 3D printing resin that has received FDA clearance for use in creating fixed hybrid dentures. This resin leverages the cutting-edge NanoFusion™ technology, which set a new industry standard by offering exceptional durability and visual quality. The result is a remarkably lifelike appearance that closely resembles natural enamel.

OnX Tough 2 empowers dental professionals to fabricate fixed hybrids chairside while rivaling milled PMMA material qualities – all without extra mixing or rolling. OnX Tough 2 ensures unmatched strength and lab-quality aesthetics, streamlining the process for increased efficiency and fewer appointments.

## FRACTURE TOUGHNESS<sup>a</sup>

Describes the ability of a dental material containing a crack to resist fracture

### SPRINTRAY ONX TOUGH 2

3.38 MPa m<sup>1/2</sup>

### MILLED PMMA

2.37 MPa m<sup>1/2</sup>

### COMPETITOR 3D PRINTED TEETH

1.4 MPa m<sup>1/2</sup>

### SPRINTRAY ONX TOUGH 2

## FLEXURAL STRENGTH<sup>b</sup> 126 MPa

Higher flexural strength ensures that the restoration does not break during normal use

### SPRINTRAY ONX TOUGH 2

## FLEXURAL MODULUS<sup>b</sup> 4281 MPa

Higher flexural modulus prevents distortion, which can impact accuracy

### SPRINTRAY ONX TOUGH 2

## WORK OF FRACTURE<sup>c</sup> 1033 J/m<sup>2</sup>

Higher work of fracture means greater fracture resistance

a-Fracture toughness values for competition based on published literature. Graphic not intended to imply head-to-head performance.  
b-Test Method ASTM D790 c-Test method ISO 20795-1

Featuring groundbreaking chemistry for dentistry



Uniform particle distribution



Non-uniform particle distribution

## KEY BENEFITS

- ✓ Enables delivery of lower-cost, same-day fixed hybrid dentures
- ✓ Formulated for optical performance and shade stability for natural aesthetics
- ✓ Easy post processing and characterization



OnX Tough 2 – Characterized hybrid denture