

Endure Nano

Light activated, quick curing Nano Hybrid Composite indicated for direct esthetic restoration of anterior and posterior teeth. Endure nano is a high viscosity composite that will resist sticking to instruments, yet has sufficient flow to adapt to the walls of the cavity preparation. Endure has a very low water uptake thus no pigment absorption and zero solubility over a period. It is an universal composite that can be used in all classes of direct dental restorations: Class I, II, III, IV and V.

Unique Features:

- Available in A1, A2, A3 & B2 VITA Shade
- Used for anterior & posterior teeth
- Nano hybrid particle size
- Non - stick material
- High Radio - opacity



Unmatched Benefits:

- Easy handling, contouring & sculpting
- Universal and convenient
- Easy Shade matching
- Easy detection on X-rays
- High compressive & flexural strength

Physical Properties:

- Compressive Strength 295 MPa
- Flexural Strength 127 MPa
- Flexural Modulus 10,800 MPa
- Tensile Strength 58 MPa
- Water absorption 14.5µg/mm³
- Solubility 0.25µg/mm

Formulation:

The resin based matrix contains approximately 19 wt% of Bis-GMA based dimethacrylate system. The filler system contains approximately 80 wt% (65vol%) silanated 40 nanometer ytterbium fluoride, silanated 500 nanometer barium glass and 10 nanometer silica. There is approximately 1wt% of catalyst, inhibitors and pigment