

## Sales Datasheet – QualiSense MH

### 1. Product Name and Classification:

- Trade Name: **QualiSense MH**
- Product Type: **Light-Cure Microhybrid Composite Resin**

### 2. Composition and Technical Features:

Feature	Value
Resin Base:	<b>BIS-GMA</b>
Filler Type:	<b>Inorganic fillers (0.05–1.5 µm)</b>
Filler Content:	<b>81% by weight, 65% by volume</b>
Compressive Strength:	<b>370 MPa</b>
Diametral Tensile Strength:	<b>42 MPa</b>
Flexural Strength:	<b>131 MPa</b>
Flexural Modulus:	<b>8.1 GPa</b>
Barcol Hardness:	<b>80</b>
Shrinkage after 1 hour:	<b>2.8%</b>
Shrinkage after 24 hours:	<b>3.0%</b>
Wear after 1 month:	<b>36 µm</b>
Surface Roughness (ISO 1997):	<b>0.07 µm</b>

### 3. Key Selling Points:

- Excellent polishability with natural esthetics.
- High filler load ensures strength and durability.
- Low polymerization shrinkage for better marginal integrity.
- Wear resistance suitable for both anterior and posterior restorations.
- Smooth surface finish supports long-term esthetics.

#### 4. Packaging:

- **4.5g** syringe
- Available in a wide range of **VITA® shades**

#### 5. Indications

- All cavity classes (Class I to V)
- Direct anterior and posterior restorations
- Veneers and esthetic build-ups
- Core build-ups in esthetic zones

#### 6. Storage and Shelf Life

- Store at temperatures between **2°C and 25°C** (36°F to 77°F).
- Avoid exposure to direct sunlight or excessive heat.
- Shelf life: **36 months** from the date of manufacture when stored properly.

#### 7. Ordering & Contact Information

- Product Code: **R112-10**