

Sales Datasheet – QualiSense MICROFILL

1. Product Name and Classification :

- Trade Name: **QualiSense MICROFILL**
- Product Type: **Moldable Advanced Microfill Composite Resin**

2. Composition and Technical Features:

Feature	Value
Resin Base:	Dimethacrylate-based
Filler Type:	Inorganic fillers < 0.2 µm
Filler Content:	80% by weight, 76% by volume
Fresh Surface Roughness:	0.04 µm
Surface Roughness after 200,000 brushing cycles:	0.06 µm
Radiopacity:	200% Al
Compressive Strength:	390 MPa
Flexural Strength:	120 MPa
Flexural Modulus:	7.0 GPa
Barcol Hardness:	78
Water Sorption Shrinkage (24h):	2.4%

3. Key Selling Points:

- Exceptionally smooth and glossy surface even after extensive brushing.
- Highly polishable with long-lasting esthetics.
- Ideal for anterior restorations requiring superior aesthetics.
- High radiopacity for easy X-ray detection.
- Low shrinkage in water for lasting stability.

4. Packaging:

- **3g** syringe
- Available in common **VITA® shades** (e.g., A1, A2, A3, B1)

5. Indications:

- Direct anterior restorations (Class III, IV, V)
- Cervical restorations and cosmetic contouring
- Veneers and esthetic modifications
- Temporary esthetic build-ups

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: **R111-10**