

# Jen-Radiance Molar

HIGHLY FILLED LC COMPOSITE  
FOR POSTERIOR TEETH

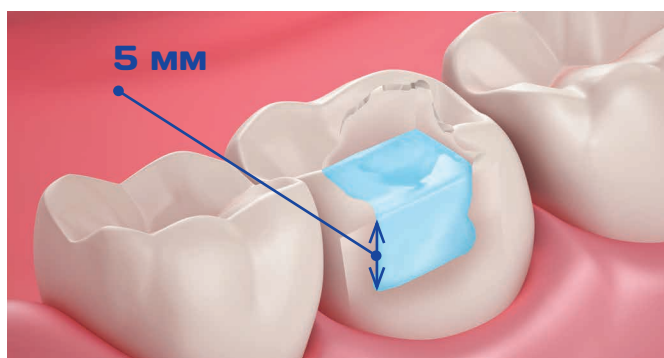


## Be Sure!

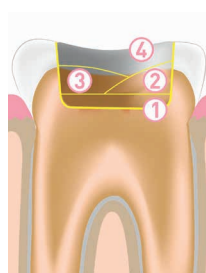


### Jen-Radiance Molar

**Jen-Radiance Molar** is a light-cured, radiopaque fluoride-containing composite restorative material which is intended for simple and quick sealing of I and II class cavities. The material Jen-Radiance Molar is drawn and polymerized by one portion with the depth up to 5 mm. Filling the volume of lost dentine by the portion with the thickness up to 5mm (not by layers) significantly decrease the time of restoration.

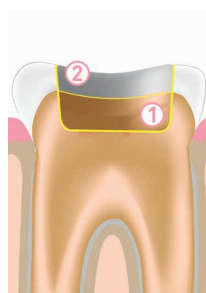


### Traditional technology:



1. LC Flow composite liner
2. Layer of universal composite
3. Layer of universal composite
4. Layer of universal composite of enamel shades

### Technology with Jen-Radiance Molar



- 1 Jen-Radiance Molar**  
(one layer up to 5 mm)
- 2 Enamel layer**  
(universal multi-purpose composite at your choice. We recommend Jen-Radiance)

# JND

Jen-Radiance Molar has very low shrinkage at polymerization (1.63%) with the minimum polymerization stress. The material is very soft and flexible. It can be perfectly modelled and it also adapts well in a cavity, filling all roughnesses.

Jen-Radiance Molar is easily modelled and has a slightly opalescent shade after polymerisation which is rather important for creation of “chameleon” effect in the restored cavity. It doesn't stick to a dental instrument.

### It can be used:

- as a replacing dentin basic layer of a composite material in I and II classes direct restorations.
- as a liner under direct restoration (covering of cavity walls and bottom)
- for quick filling in pediatrics
- for stump restorations

### Main advantages:

- Decreasing of working time (drawing of layers with thickness up to 5 mm)
- Extremely low polymerization stress (polymerization shrinkage is less than 1.63%)
- Easy adaptation of the material to the cavity
- High durability (the filler content of material – 82%)
- Perfect manual quality
- High resistance to temperature overfalls (Coefficient of Thermal Expansion (CTE) is very close to tooth tissue)
- High physical characteristics of the material (see the table)
- One universal transparent shade
- Long time of working with natural and artificial lighting.
- The correspondence of transparence and opalescence provides a creation of “chameleon” effect in the restored cavity

### Main characteristics of Jen-Radiance Molar:

Properties	Results of tests
Compression power	340 Mpa
Flexural power	140 MPa
Modulus of elasticity	11 000 Mpa
Water sorption	<0.32 Mg/cm
Filler content	82% (weight)
X-ray contrast	Excellent
Coefficient of thermal expansion	24 x 10 – 6 cm/cm°C
Volume polymerization shrinkage	1.63%
C70 (optimum value: 0,45 – 0,50)	0.48
Color stability	There is no visible discoloration

*Time of curing of the material with a qualitative curing light – is about 30 – 40 sec. (up to the depth 5 mm).*

### Packing

Jen-Radiance Molar is packed in syringes of 4 gr. / Shades: U (Universal)

### ATTENTION!

For finishing the restoration Jen-Radians Molar has to be covered by ordinary enamel-dentine composite for restoration (for example, with enamel and dental shades of Jen-Radiance).



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