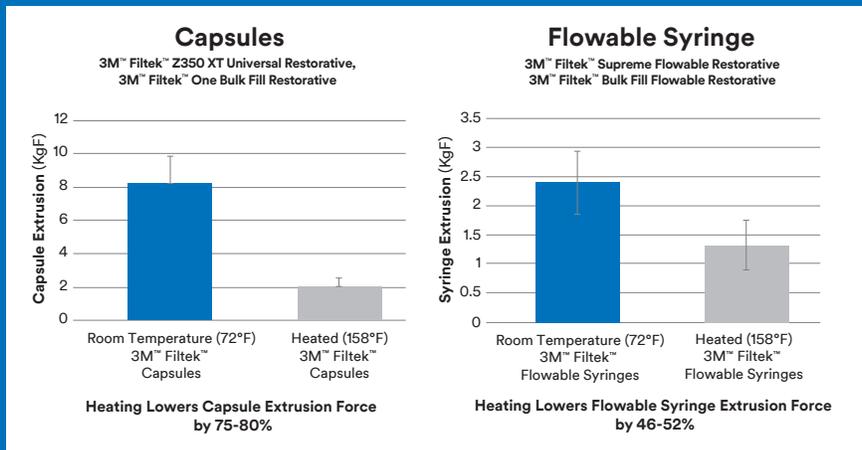


# Warm with confidence.

## 1 Why warm 3M Composites?

- Warmed composites are more fluid, for easier handling
- Warming may improve adaptation of 3M composite to tooth structure<sup>1</sup>
- Warming lowers extrusion force<sup>2</sup>

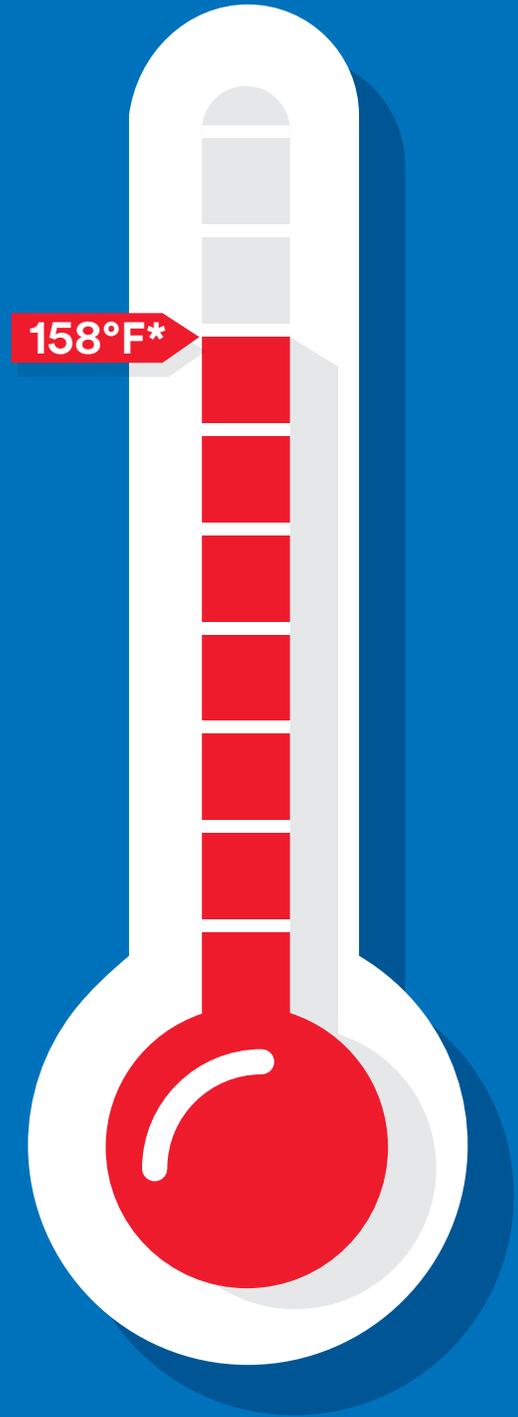


## 2 Get performance with peace of mind.

### Physical Properties Unchanged:<sup>3</sup>

- Diametral tensile strength
- Flexural strength
- Depth of cure
- Flexural modulus
- Color stability

## 3 3M offers the first dental composite cleared by the FDA for warming!\*\*



\*Recommended heating temperature

\*\*3M™ Filtek™ Universal Restorative

<sup>1</sup> Based on a 3M sponsored *in vitro* study. 11 dentists placed 88 Class II MOD restorations. Teeth were microscopically examined for flaws, defects and voids. Comparisons made between techniques and operators.

<sup>2</sup> 3M Internal Data

<sup>3</sup> When warmed according to our IFU (up to 70°C or 158°F for up to 1 hour).

# Which 3M™ Filtek™ Composites can be safely warmed?

## Universal Restoratives

- 3M™ Filtek™ Z350 XT Universal Restorative
- 3M™ Filtek™ Supreme Flowable Restorative



## Bulk Fill Restoratives

- 3M™ Filtek™ One Bulk Fill Restorative
- 3M™ Filtek™ Bulk Fill Flowable Restorative



## The science of safety

3M has performed rigorous testing to ensure the safety of pre-warmed Filtek composites for both clinicians and patients.

- Toxicology testing has been completed for all recommended 3M products listed above.
- Extensive literature search and 3M pulp temperature testing confirm minimal heat transfer to the pulp.
- 3M is the first to offer a dental composite cleared by the FDA for warming.<sup>4</sup>



Biocompatible according to ISO-10992-1:2018 based on a review by a board-certified toxicologist.



Minimal heat transfer to the pulp<sup>5,6</sup>

<sup>4</sup> 3M™ Filtek™ Universal Restorative

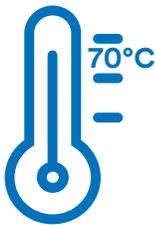
<sup>5</sup> Daronch M, Rueggeberg FA, De Goes MF, Giudici R. Polymerization kinetics of pre-heated composite. J Dent Res. 2006 Jan;85(1):38-43

<sup>6</sup> 3M Internal Data

## Tips for success

You can safely warm Filtek Restoratives in as little as 5 minutes! Follow these general guidelines, and refer to the instructions for use for more information.

### DO



**DO** heat flowable syringes up to 70°C (158°F) for up to 1 hour, up to 25 times.



**DO** heat capsules to 70°C (158°F) for up to 1 hour.



**DO** remove your composite from the heater after 5 minutes if it won't be used immediately.



**DO** consult the Instructions for Use for more information.

### DON'T



Do **NOT** use heat from a lightbulb, microwave, mug warmer or other unapproved heating devices. Only approved devices have been tested for safety and efficacy when warming select Filtek composites. Consult the Instructions for Use for more information.



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