

ESTELITE BULK FILL *Flow*

Flowable Bulk Fill Composite

The Strength and Beauty of a Universal

The Ease and Speed of a Bulk

The Cavity Adaptation of a Flowable



Typical bulk fills

Like all composites, bulk fills fall into two main categories – flowable and universal types. Each have their own strengths and weaknesses.

Flowable type bulk fills



Lower strength

Lower opacity and esthetics

Need capping layer

High cavity adaptation

Faster placement

OR

Universal type bulk fills



Higher strength

Higher opacity and esthetics

No capping layer

Lower cavity adaptation

Slower placement

Estelite Bulk Fill Flow combines the best of both worlds



Fill up to 4 mm, no capping layer needed



Highest compressive strength
52% stronger than the leading flowable bulk fill



Excellent shade matching, higher glossiness, and
higher opacity for more natural restorations



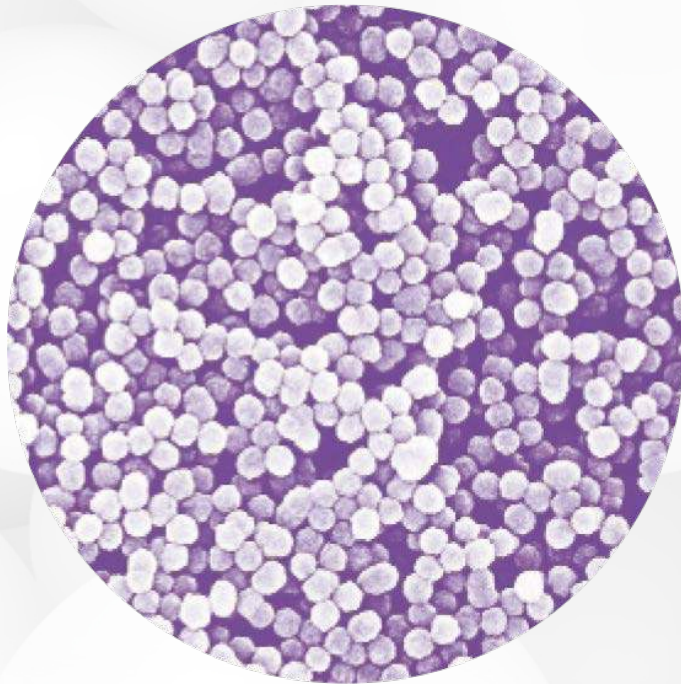
Faster placement and faster curing time



Higher cavity adaptation and lower shrinkage
stress for worry-free restorations



A SPHERICAL REVOLUTION







Estelite composites exhibit exceptional esthetics while maintaining excellent physical properties as a result of our revolutionary **spherical filler** technology.

With an average particle size of **200 nanometers (supra-nano)**, the spherical fillers are the foundation for delivering **simple, lasting and beautiful results.**

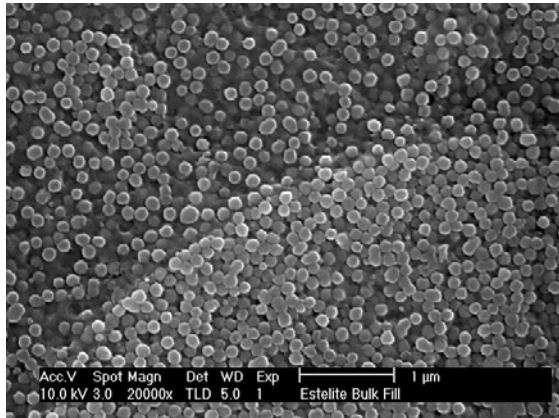
ESTELITE COMPOSITES

Spherical fillers allow for a composite that meets any need

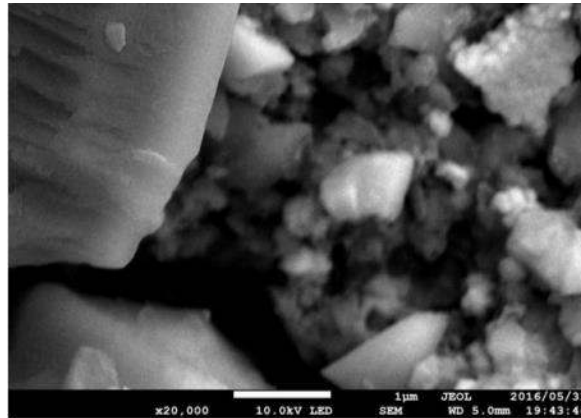
	SCULPTABLE		FLOWABLE	
				
	Estelite Sigma Quick® <i>Universal Composite</i>	Estelite Omega® <i>Esthetic Layering Composite</i>	Estelite Flow Quick® /High Flow <i>Flowable Composite</i>	Estelite Bulk Fill Flow <i>Bulk Fill Composite</i>
TECHNIQUE	1 to 2 Layers	3+ Layers	Liner or small restorations	1 Layer up to 4mm No capping layer
RECOMMENDED USE	All anterior and posterior cases		Class I - III, V, and Midline Diastema Closure	Class I - V
SHADES	20 Shades	11 Shades (enamel and dentin) + 13 Specialty colors available	Medium flow: 17 Shades High flow: 4 Shades	5 Shades

Spherical fillers in bulk fill

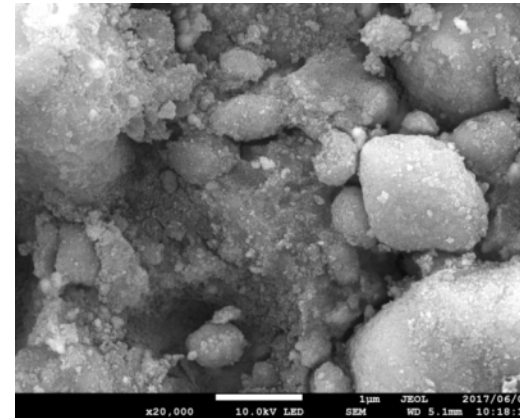
The Estelite spherical filler technology found in Estelite Bulk Fill Flow deliver greater speed, strength, and higher esthetics than other brands



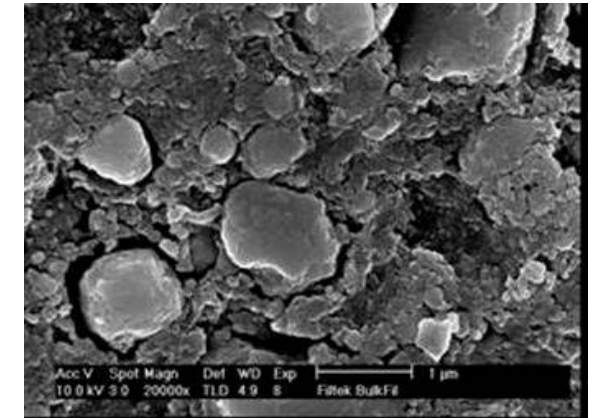
Estelite Bulk Fill Flow



SureFil SDR Flow+*



Filtek One Bulk Fill*



Filtek Bulk Fill Flowable*

Esthetics

Strength

Speed

Cavity Adapt.

Spherical fillers, light, and color

*The spherical fillers in all Estelite composites offer high **diffusion and refraction of light**, resulting in a superior blending effect that achieves the most natural look*

ESTELITE Σ QUICK



FILTEK SUPREME ULTRA*



HERCULITE ULTRA*



TETRIC EVOCERAM*



ESTHET-XHD*






































































VENUS PEARL*





Higher shade matching


5 shades with high shade matching ability allow Estelite Bulk Fill Flow to cover almost any case, simplifying restorations without compromising esthetics


ESTELITE® BULK FILL FLOW SHADE MATCHING CHART

		light														dark	
		W	B1	A1	B2	D2	A2	C1	C2	D4	A3	D3	B3	B3.5	B4	C3	A4
U										—		—					—
B1															—	—	
A1									—				—	—	—	—	
A2							—								—	—	
A3		—															

 Excellent Match

 Very good

 Good

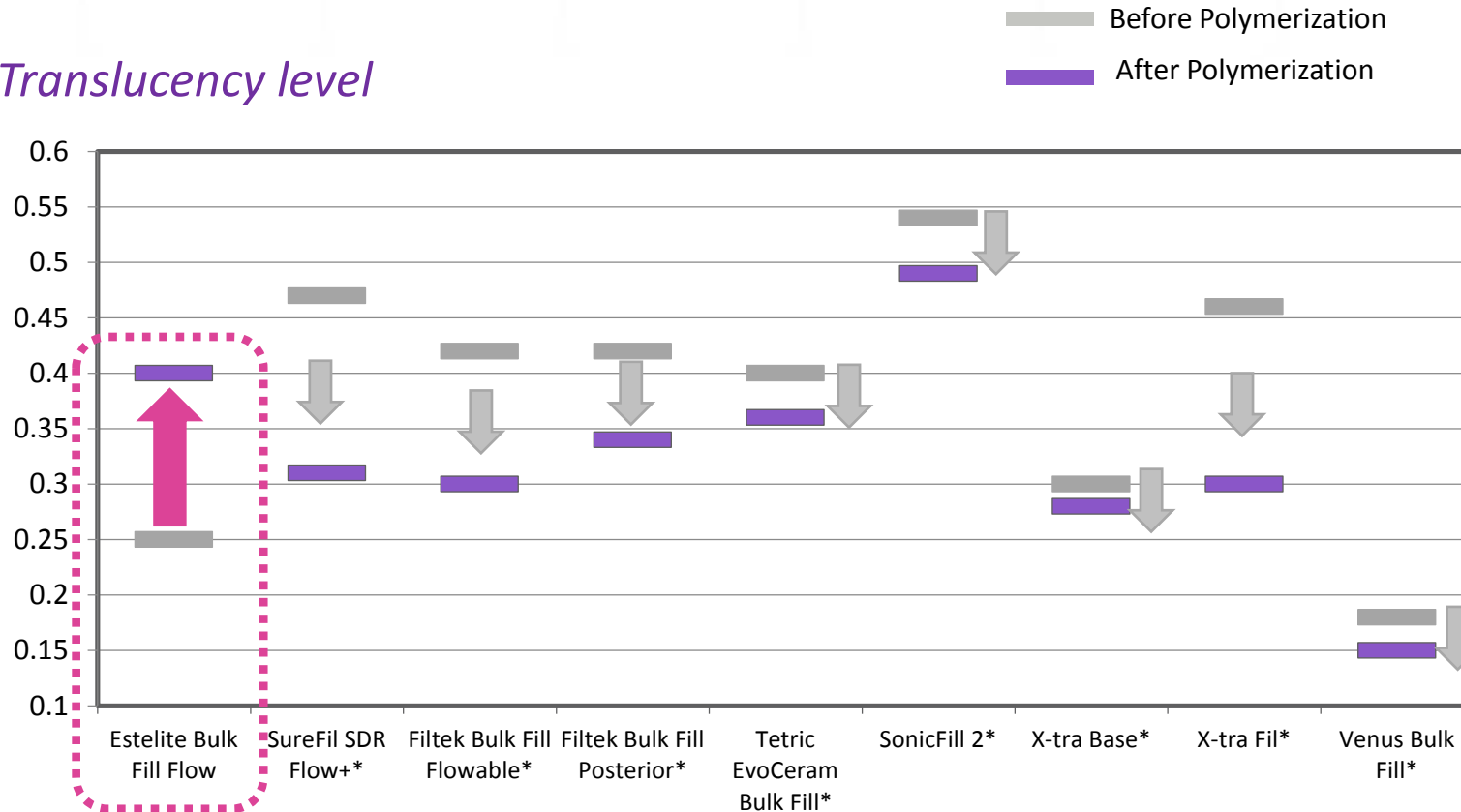
 Fair

From translucent to opaque

Estelite Bulk Fill flow is highly translucent at placement to ensure proper curing, then it becomes more opaque for greater esthetics

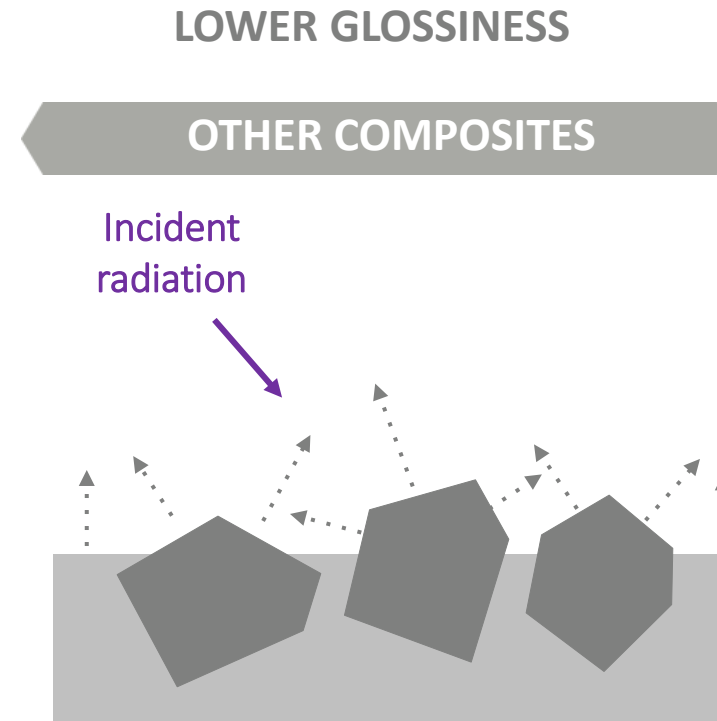
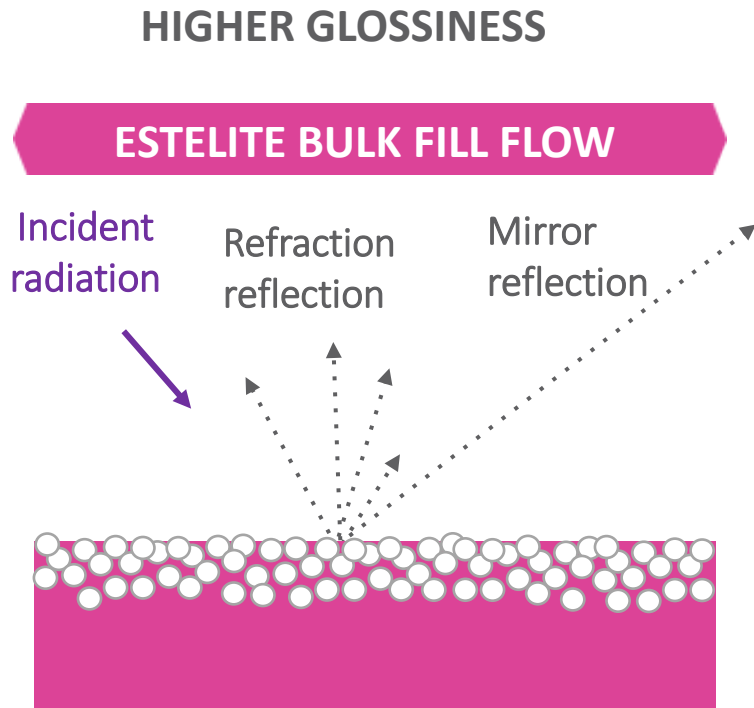
High Opacity
↑ Contrast ratio (Yb/Yw)
↓ Low Opacity

Translucency level



Smooth surface for a greater shine

Rough surfaces cause light to disperse and reflect in many angles. A smoother, mirror-like surface can attain a lustrous and glossy result



Esthetics

Strength

Speed

Cavity Adapt.

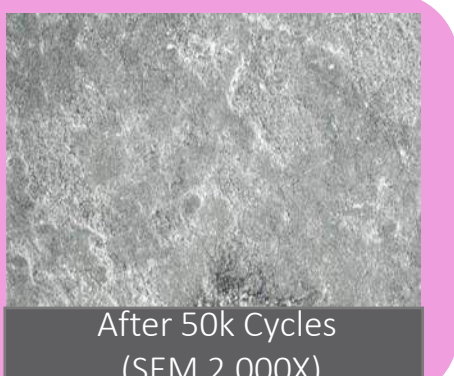
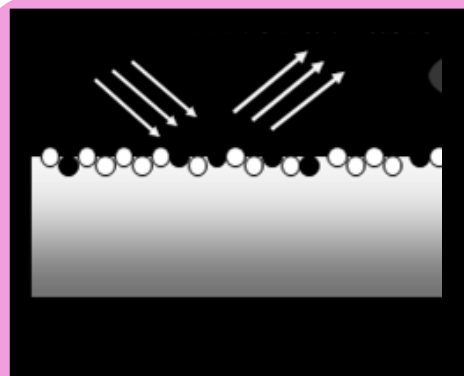
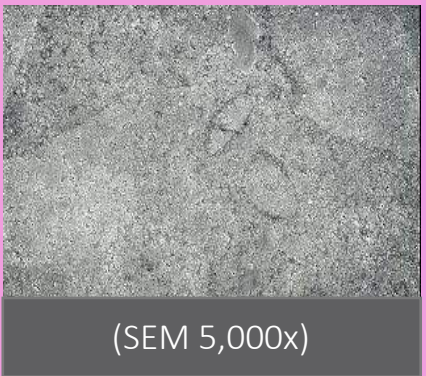
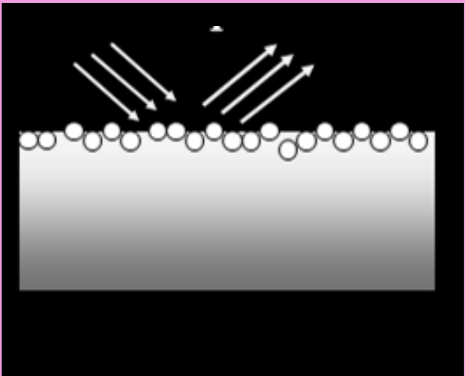
Spherical fillers and lasting glossiness

Supra-nano sized, spherical shaped fillers means abrasion and plucking do not impact quality of shine in Estelite composites

BEFORE LABORATORY TEST

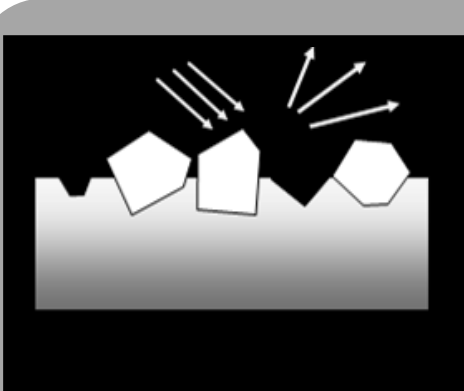
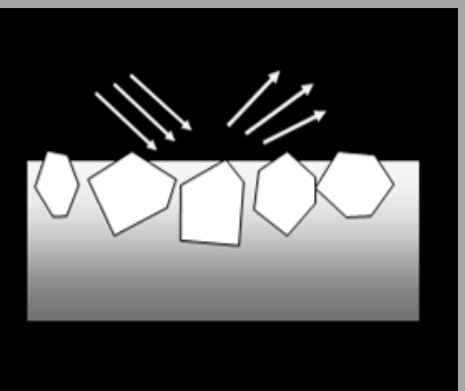
AFTER LABORATORY TEST

Estelite
Sigma
Quick



Retains
Polish

Other
composites



Lost
Polish

Source: Tokuyama Dental R&D
*Not a registered trademark of Tokuyama Dental

Esthetics

Strength

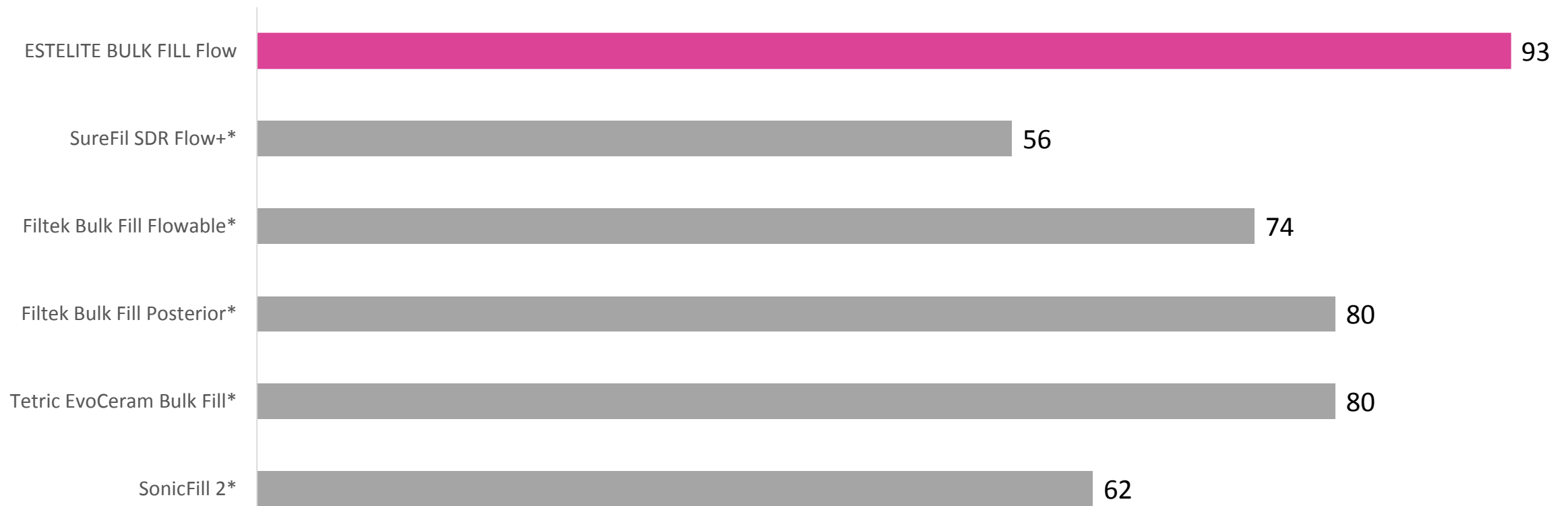
Speed

Cavity Adapt.

Less polishing time for long lasting glossiness

Estelite Bulk Fill Flow is the only bulk fill that reaches over 90% glossiness in only 60 seconds of polishing, resulting in long lasting glossiness for years to come

Glossiness after 60 seconds(%)



Source: Tokuyama Dental R&D

*Not a registered trademark of Tokuyama Dental

Esthetics

Strength

Speed

Cavity Adapt.

A more natural look

Higher opacity, higher shade matching ability, and higher glossiness help Estelite Bulk Fill Flow appear more natural and esthetic than competitors



Low Opacity

Poor Polishability

Esthetics

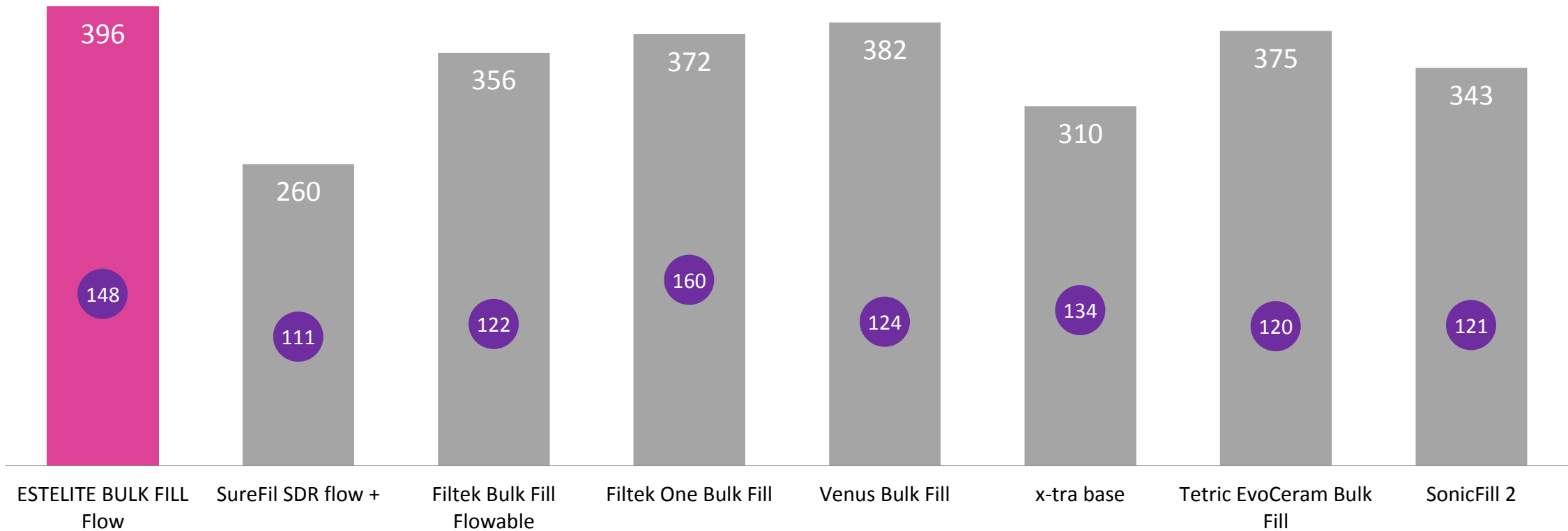
Strength

Speed

Cavity Adapt.

Highest compressive strength

Estelite Bulk Fill Flow offers the highest compressive strength as well as high flexural strength so patients can bite with confidence



Source: Tokuyama Dental R&D
*Not a registered trademark of Tokuyama Dental

■ Compressive Strength(MPa)

● Flexural Strength (MPa)

Esthetics

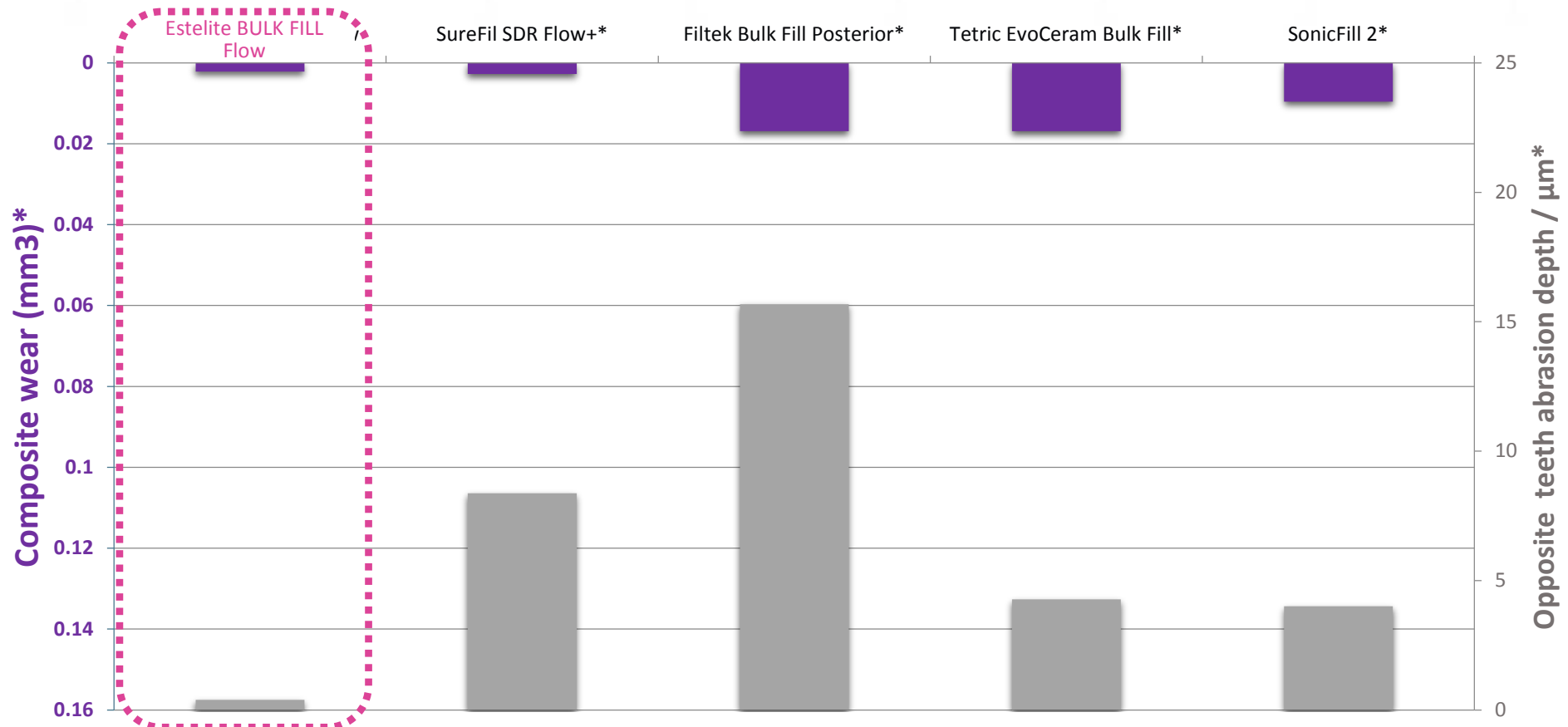
Strength

Speed

Cavity Adapt.

Lowest wear and abrasion

Estelite Bulk Fill Flow is designed to highly resist abrasion and wear for long lasting posterior restorations



Source: Tokuyama Dental R&D

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Esthetics

Strength

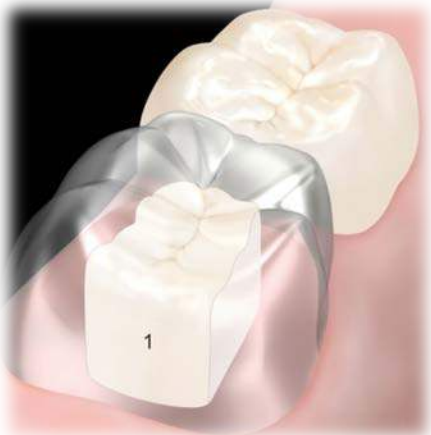
Speed

Cavity Adapt.

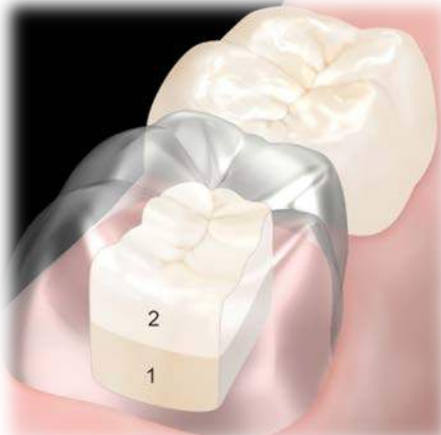
A much faster flowable bulk fill

Esthetic and strong enough to not need a capping layer, Estelite Bulk Fill Flow further speeds the restoration process with only 10 seconds of curing time

Product	ESTELITE BULK FILL Flow	SureFil SDR flow +*	Filtek Bulk Fill Flowable*	Filtek One Bulk Fill*	Venus Bulk Fill*	x-tra base*	Tetric EvoCeram Bulk Fill*	Sonic Fill 2*
Type of Bulk Fill	Flowable	Flowable	Flowable	Universal	Flowable	Flowable	Universal	Universal
Number of Layers	1	2	2	1	2	2	1	1
Curing time(s)	10	20	20	20	20	10	20	20



OR



Source: Tokuyama Dental R&D
 *Not a registered trademark of Tokuyama Dental

Esthetics

Strength

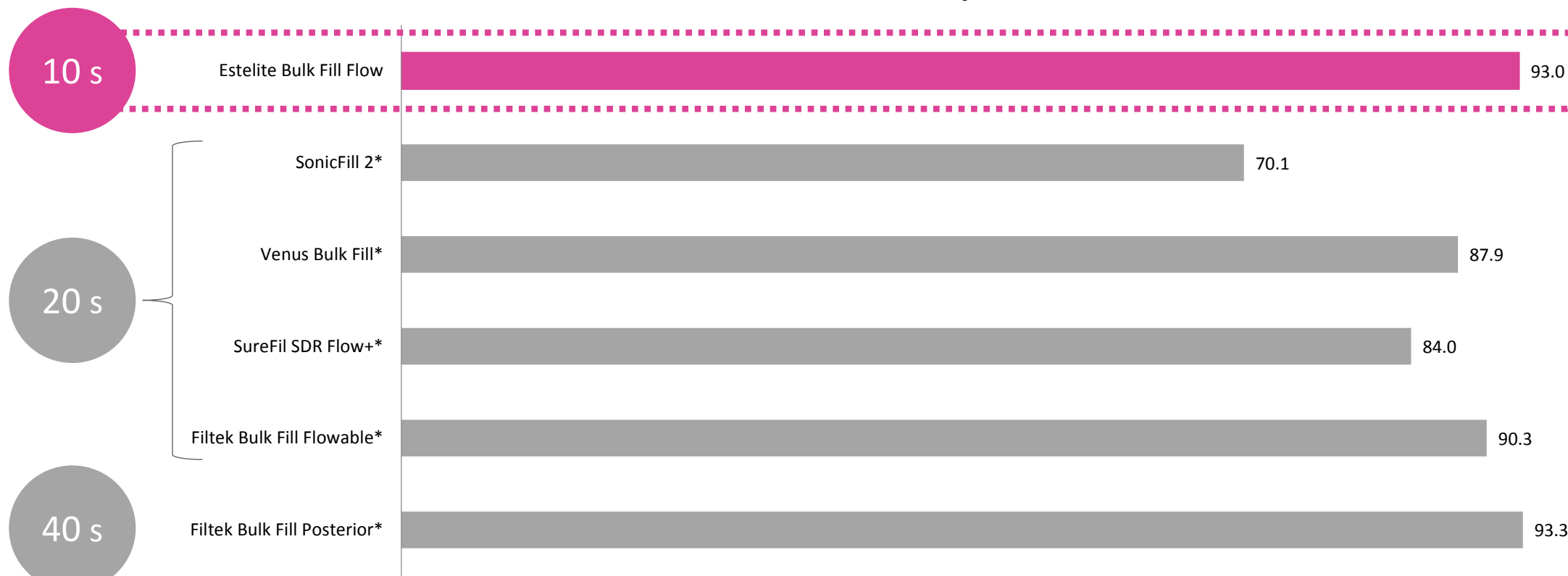
Speed

Cavity Adapt.

Consistently cured from bottom to top

Despite having half the curing time of other bulk fills, Estelite Bulk Fill Flow shows some of the most consistent curing

Hardness Bottom/Top Ratio

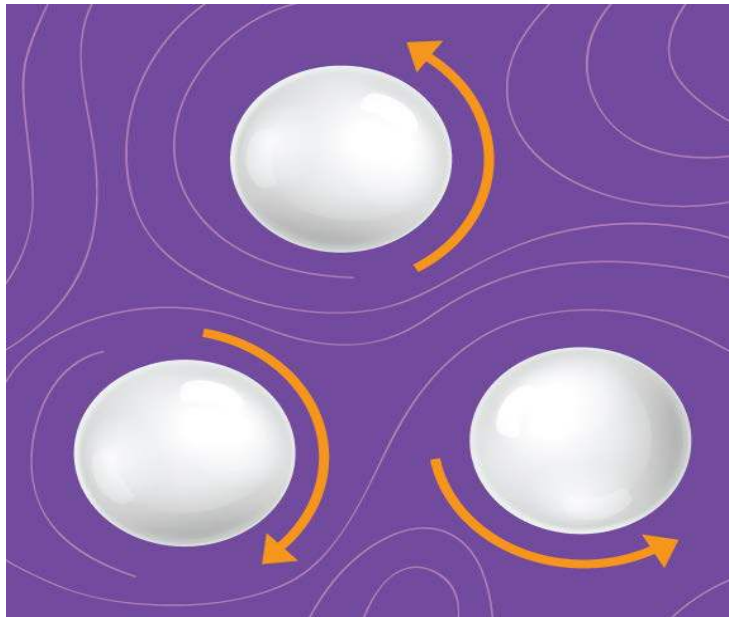


Source: Tokuyama Dental R&D

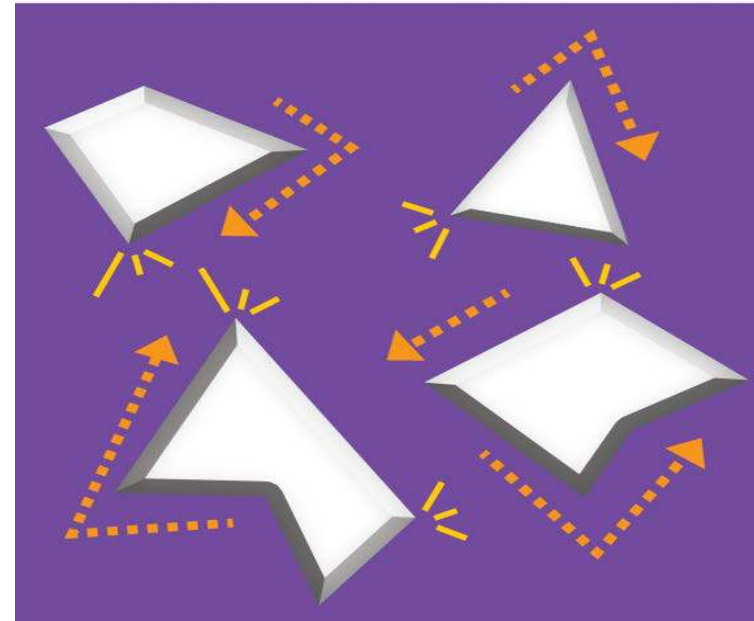
*Not a registered trademark of Tokuyama Dental

Filler shape and shrinkage stress

Estelite's unique spherical filler technology found in Estelite Bulk Fill Flow significantly reduce shrinkage stress



Spherical fillers move and rotate smoothly during polymerization. The movement of the filler is less limited, resulting in lower shrinkage stress.

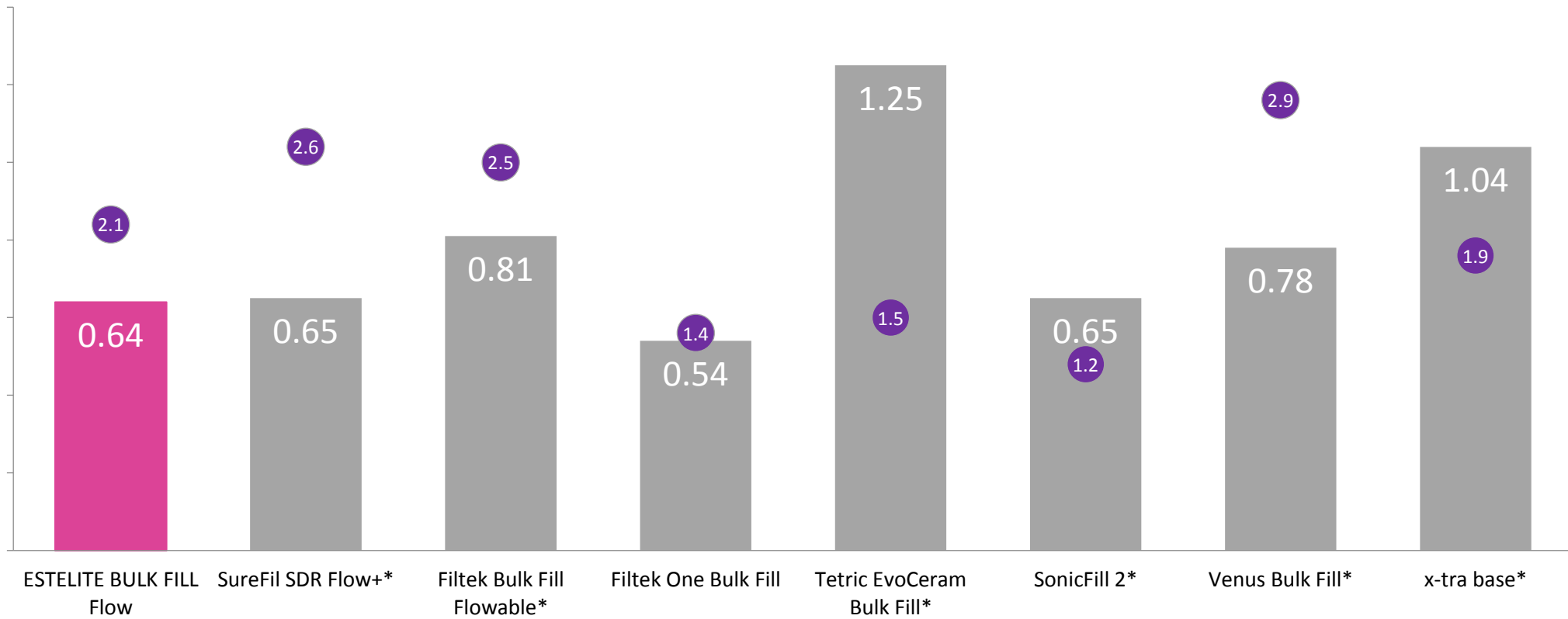


Irregular fillers with different sizes limit the filler movement during polymerization concentrating the stress.

Minimal shrinkage stress

Thanks to Estelite's spherical filler technology, the shrinkage stress and linear shrinkage in Estelite Bulk Fill Flow are reduced to a minimum

Shrinkage Stress and Linear Shrinkage



Source: Tokuyama Dental R&D
 *Not a registered trademark of Tokuyama Dental

Esthetics

Strength

Speed

Cavity Adapt.

The best cavity adaptation

Estelite Bulk Fill Flow easily adapts to the cavity, flowing into the nooks and crannies and providing an excellent marginal seal



Esthetics

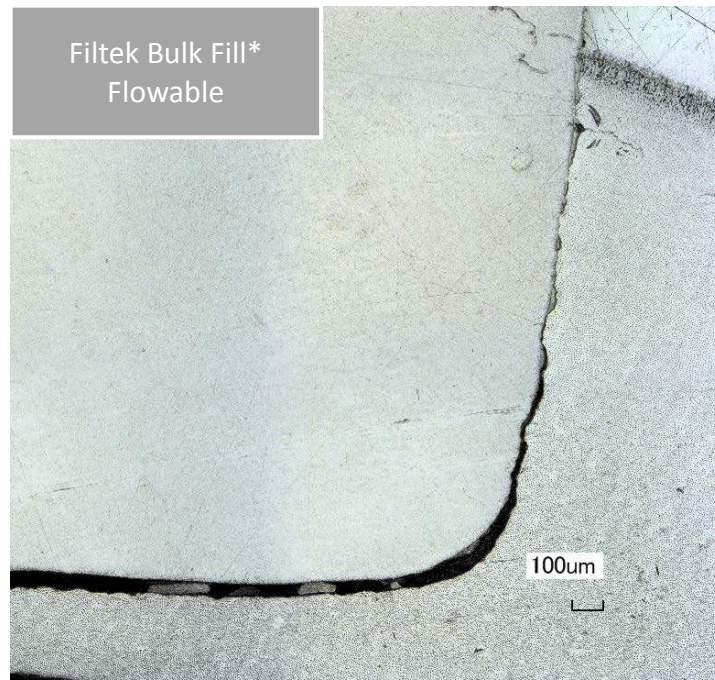
Strength

Speed

Cavity Adapt.

The best cavity adaptation

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Innovating Tomorrow's Dentistry, Today.™

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