

# Estelite Universal Flow



# Introduction to Flowable Composites

- Flowable composites were introduced as a less viscous material, offering better adaption to the cavity wall
- Flowables can reach areas that are difficult to fill, and prevent air bubbles that could cause post-op sensitivity
- In the US and Canada, flowable composites are mainly used as cavity liners under restorations and to repair small defects in existing restorations
- Typically, flowable composites are available in two viscosities: high flow and low flow



# Disadvantages of Flowable Composites

- Traditionally, flowable composites have less filler content than more viscous composites
- Therefore, they tend to exhibit higher wear and shrinkage stress, and have lower strength, making them less suitable for a wider range of indications
- Flowable composites are less packable/sculptable than more viscous composites



# Estelite Universal Flow – The Perfect Flow for Strong, Lasting Restorations

Estelite Universal Flow is a flowable composite that addresses all the concerns practitioners have with traditional flowables and has the following benefits:

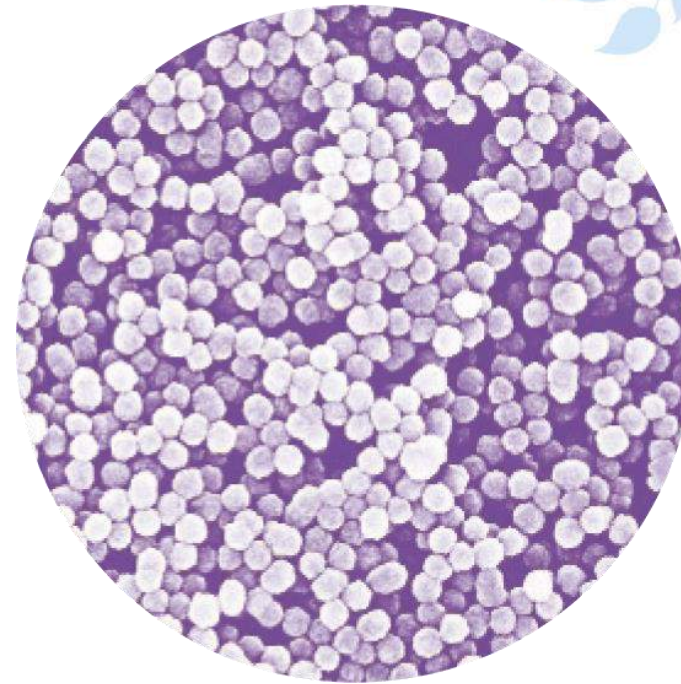
- Available in three viscosities, providing dentists with the right choices for a variety of indications
- High filler content, to achieve unmatched strength, durability, and esthetics
- Low shrinkage stress
- Easy handling

Estelite Universal Flow Viscosities:

- High Flow: Easy placement, flows well – Syringe only
- Medium Flow: High versatility, less slumping, less runny – Syringe and PLT
- Super low flow: Non-slumping, non-runny, precision stacking – Syringe only

# 100% Spherical Filler Technology

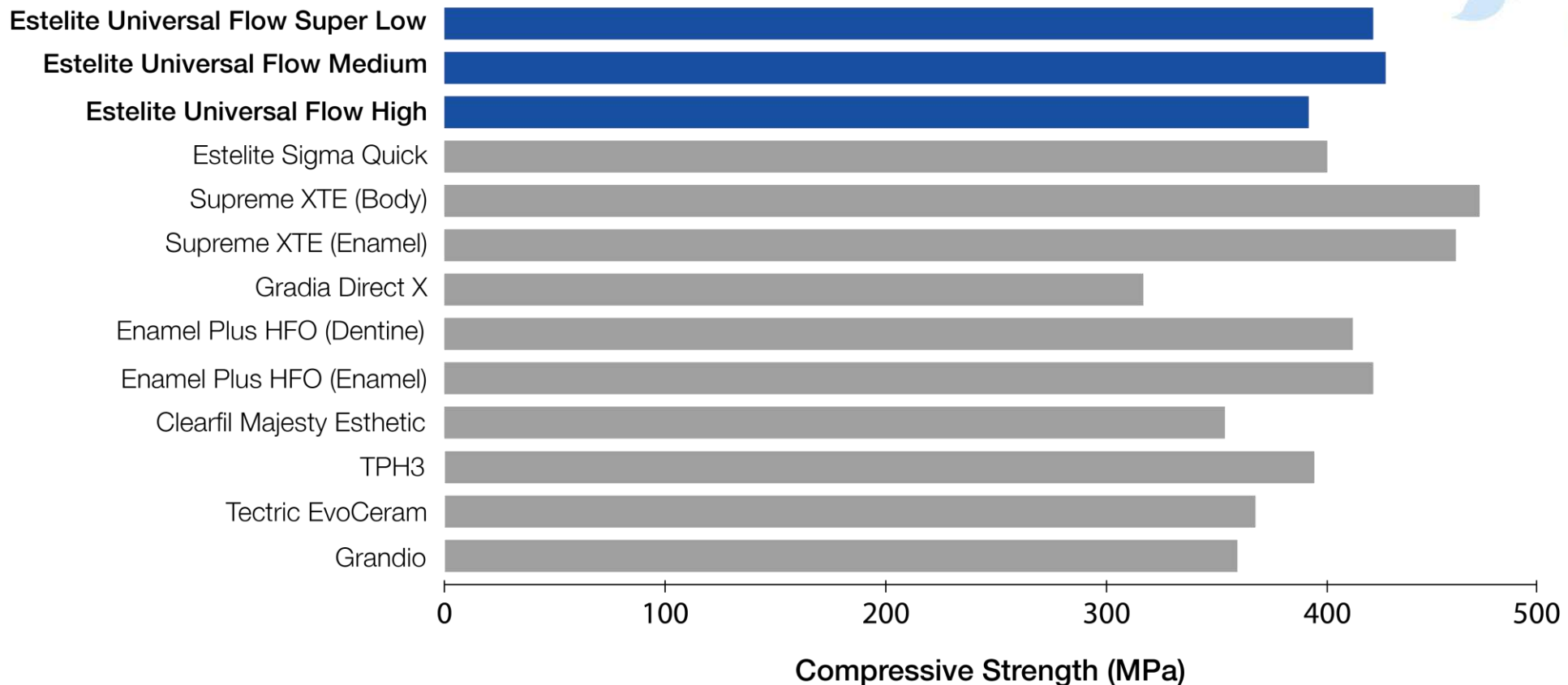
- Estelite Universal Flow exhibit exceptional esthetics while maintaining excellent physical properties as a result of our revolutionary **spherical filler** technology.
- With an average particle size of **200 nanometers (supra-nano)**, the spherical fillers in Estelite Universal Flow are the foundation for delivering **simple, lasting and beautiful results**.



# Vs. Universal composites

## Compressive Strength Test

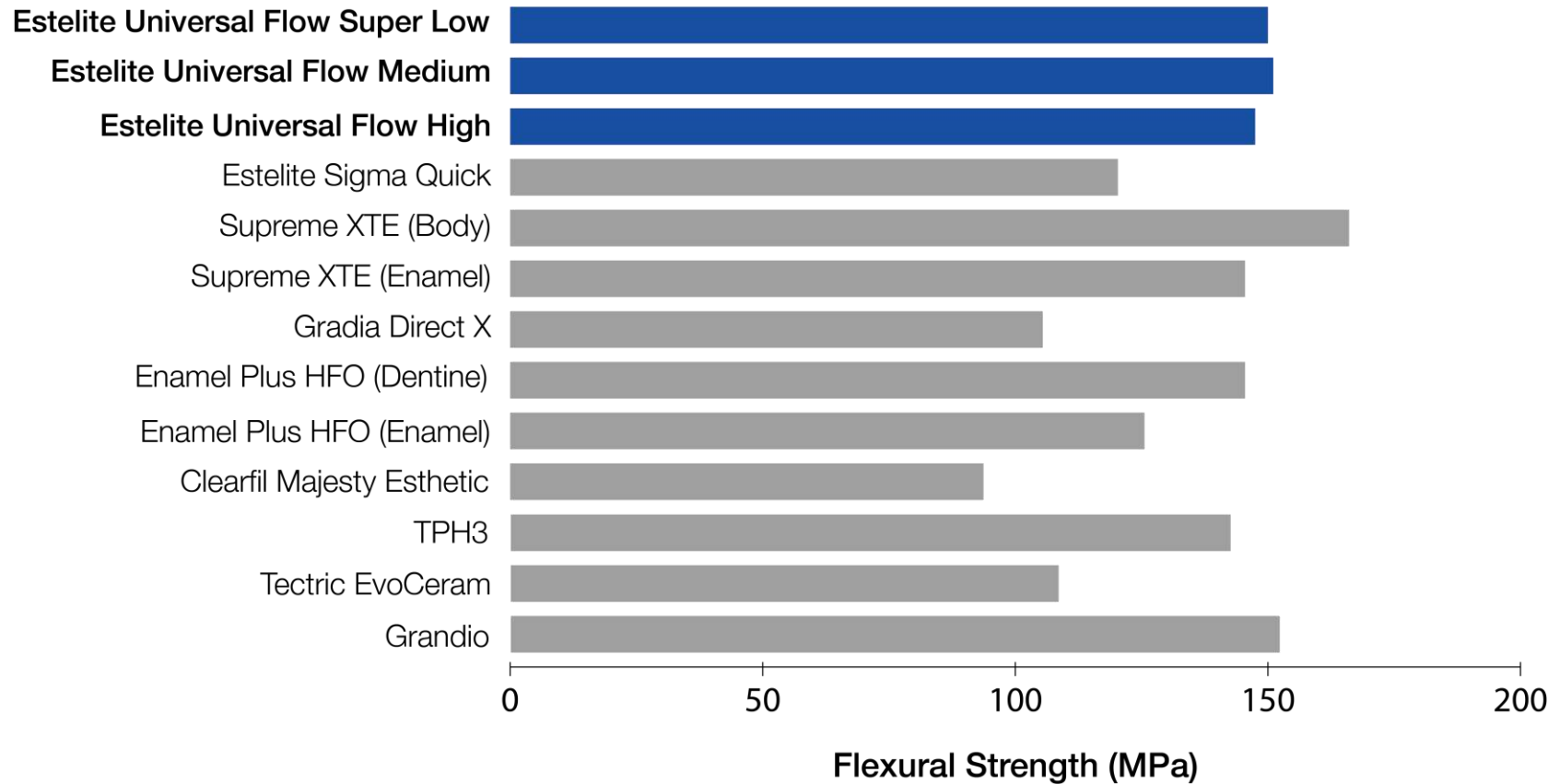
Estelite Universal Flow's strength is comparable to universal composites.



# Vs. Universal composites

## Flexural Strength, Three-Point Bending Test

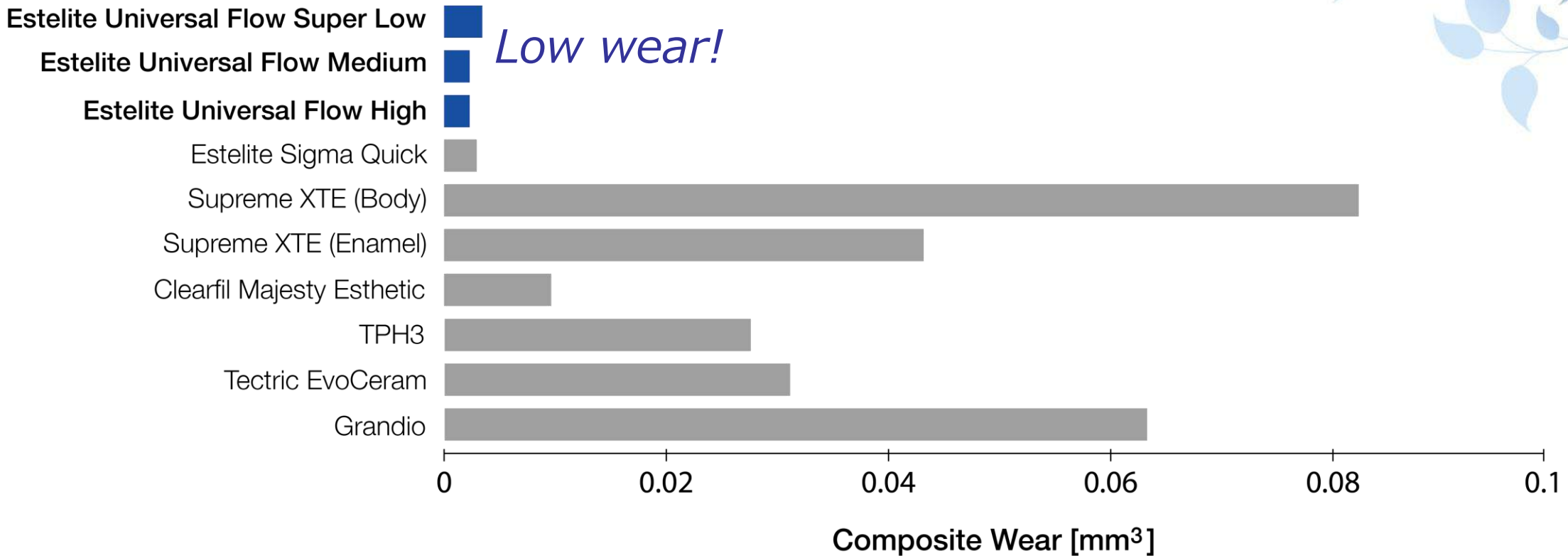
Estelite Universal Flow's strength is comparable to universal composites.



# Vs. Universal composites

## Wear Resistance Test

Estelite Universal Flow also exhibits high wear resistance comparable to Estelite Sigma Quick, and exceeding other leading universal composites:



# Recommended Indications



Super Low



Medium



High



Class II



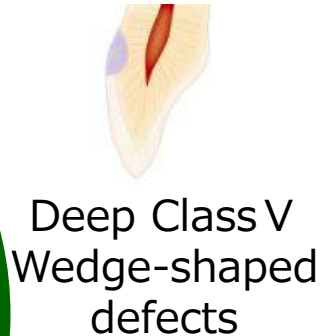
Class I



Class IV



Class III



Deep Class V  
Wedge-shaped  
defects



Incisal Margin



Shallow Class V  
Small Cavity



Cavity Liner

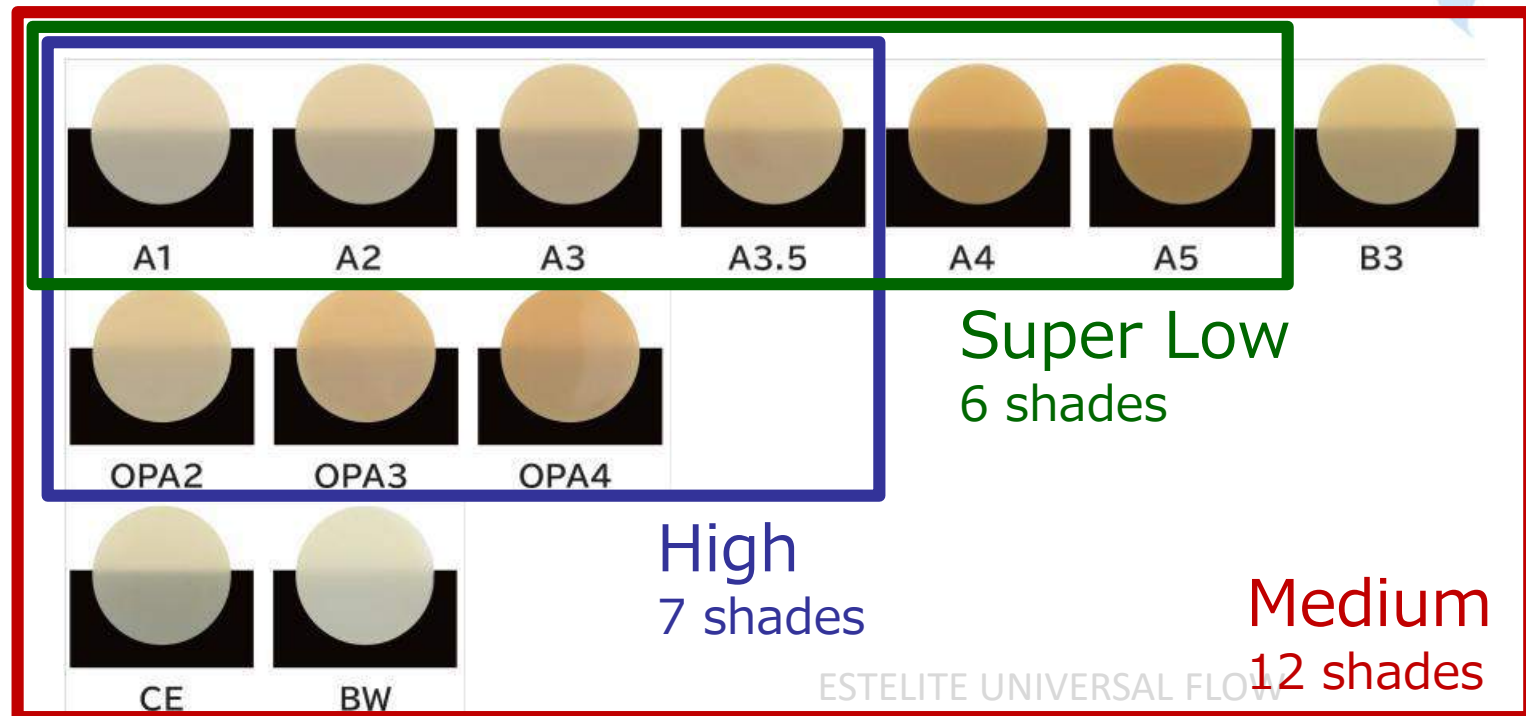
- Direct anterior and posterior restorations
- Cavity base or liner
- Blocking out cavity undercuts before fabricating indirect restorations
- Repair of porcelain/composite

# Shades and Viscosities

- Estelite Universal Flow comes in three viscosities: Super Low, Medium, and High Flow.
- Shades available vary depending on viscosity
- Available in syringe format, Medium Flow is also available in PLT format

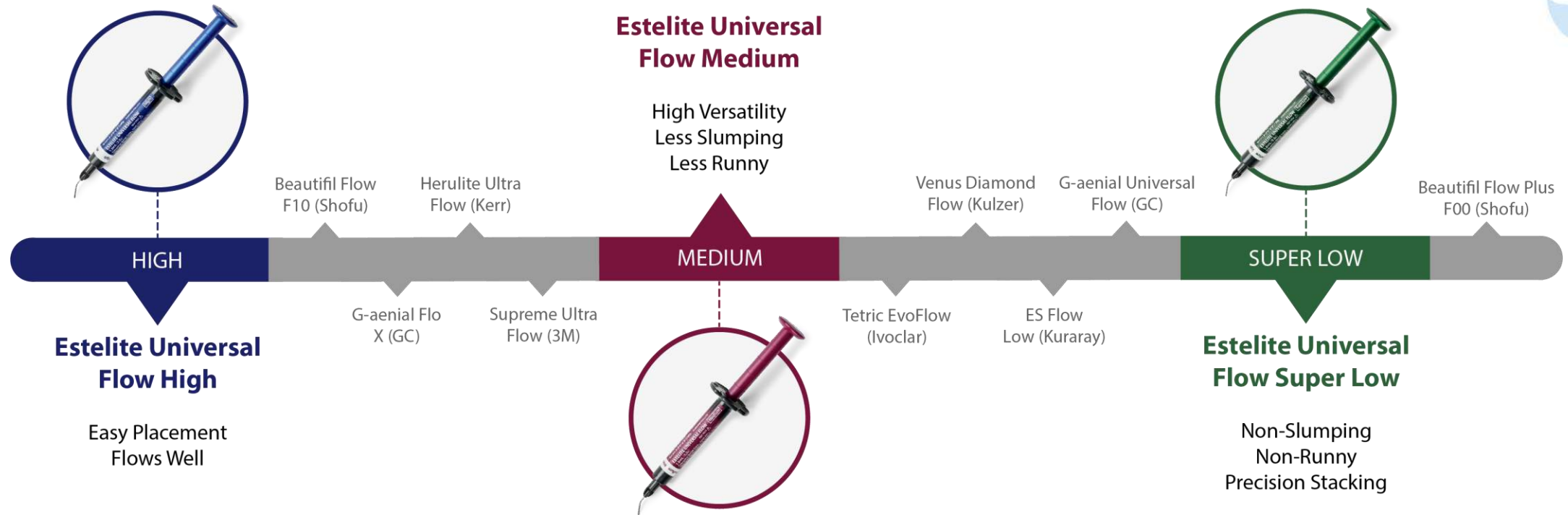
## Flowability

## Shade



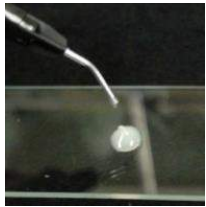
# The Perfect Flow

Estelite Universal Flow comes in three optimal viscosities, providing you with the perfect flow to handle different restorations.



# Excellent handling

Estelite Universal Flow is easy to extrude and has a non-sticky consistency with minimal stringiness, resulting in effortless handling.



Better

Stickiness



Beautiful Flow Plus F00	<b>Estelite Universal Flow</b> Super Low, Medium, High	
	Venus Diamond Flow	Majesty ES Flow
		Filtek Supreme XTE Flow
Estelite Flow Quick (2ml, Metal Tips)	G-aenial Universal Flo (Plastic Tips)	Herculite Ultra Flow
		Tetric EvoFlow
G-aenial Universal Flo (Metal Tips)		

● Low

● High



Extrusion Pressure

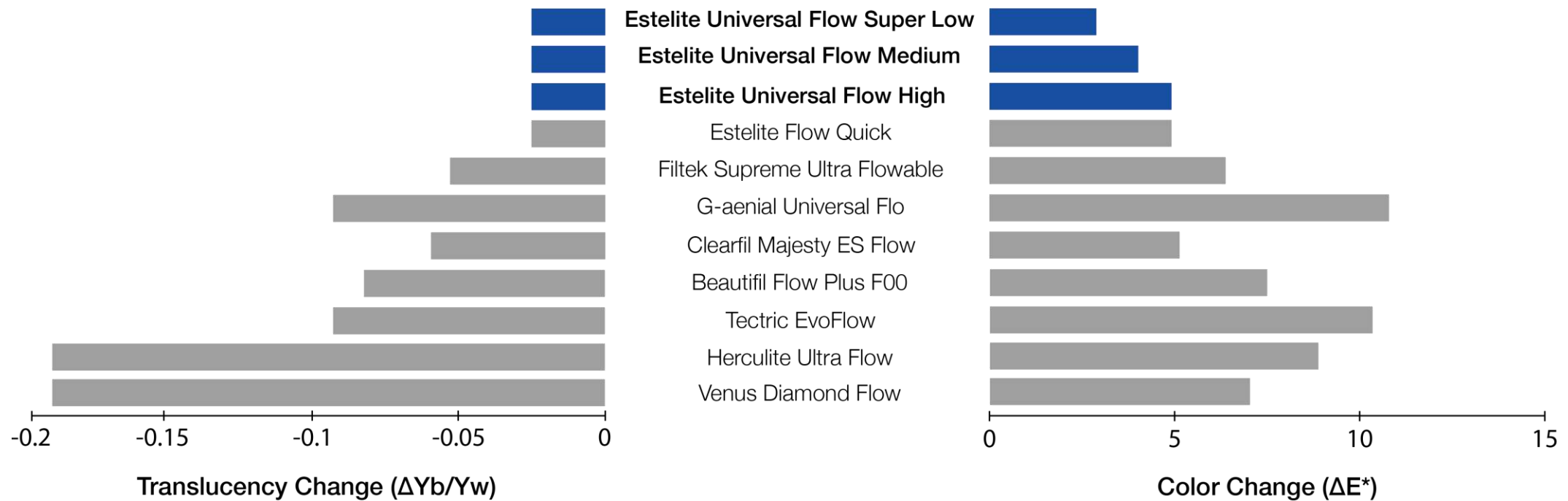


Better ESTELITE UNIVERSAL FLOW

# Minimal Shade Shift

Estelite Universal Flow light-cures in only 10 seconds, and retains its shade color during and after the process, virtually eliminating restoration failures due to shade shifting.

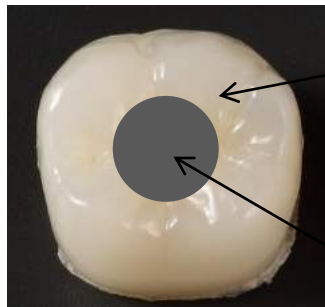
## Color and translucency change before and after polymerization



# Beautiful Shade Blendability

One composite shade can invisibly blend within several tooth shades, resulting in superior shade match, and even reduced inventory cost.

## Filling test to artificial teeth



Artificial Tooth  
(Each shade)




Cavity model  
Φ4mm, 2mm depth

All cavity on various shades of artificial teeth (B1, A1, B2, A2, C1, A3) are filled with ESTELITE UNIVERSAL FLOW A2 shade.



# Estelite Universal Flow Shade Match Chart

Utilizing 100% spherical fillers, one Estelite Universal Flow shade can blend within several tooth shades.

Estelite Universal Flow Shade Matching																						
SL	M	H		Whiter	B1	A1	B2	D2	A2	C1	C2	D4	A3	D3	B3	A3.5	B4	C3	A4	C4	Darker	
			A1	E	E	E	E	E	E	E	-	-	V	V	-	-	-	-	-	-	-	
			A2	G	E	E	E	E	E	E	V	-	E	E	V	G	G	G	-	-	-	
			A3	-	V	V	V	E	E	V	E	V	E	E	E	E	E	V	V	G	-	
			A3.5	-	-	-	G	G	G	-	V	V	E	E	E	E	E	E	E	E	V	
			A4	-	-	-	-	-	-	-	-	G	G	V	E	E	E	E	E	E	E	
			A5	-	-	-	-	-	-	-	-	-	G	G	V	E	E	G	E	E	E	
			B3	-	G	G	E	V	V	V	V	E	E	E	E	E	E	V	G	-	-	

HIGH  
Opacity

●	●	BW	E	E	E	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-
●	●	OPA2	G	E	E	E	-	E	V	-	-	G	-	-	-	-	-	-	-	-
●	●	OPA3	-	G	G	-	-	-	-	G	G	E	V	E	E	V	G	-	-	-
●	●	OPA4	-	-	-	-	-	-	-	-	V	V	V	E	E	E	V	E	G	-

HIGH  
Translucency

●	●	CE	For Incisal Area Etc.																	
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E= Excellent V=Very Good G=Good - =Poor

# Natural Looking Restorations

Estelite Universal Flow utilizes 100% spherical filler technology to blend in with surrounding tooth color, resulting in an invisible margin and natural looking restorations.

## A clinical case



Before



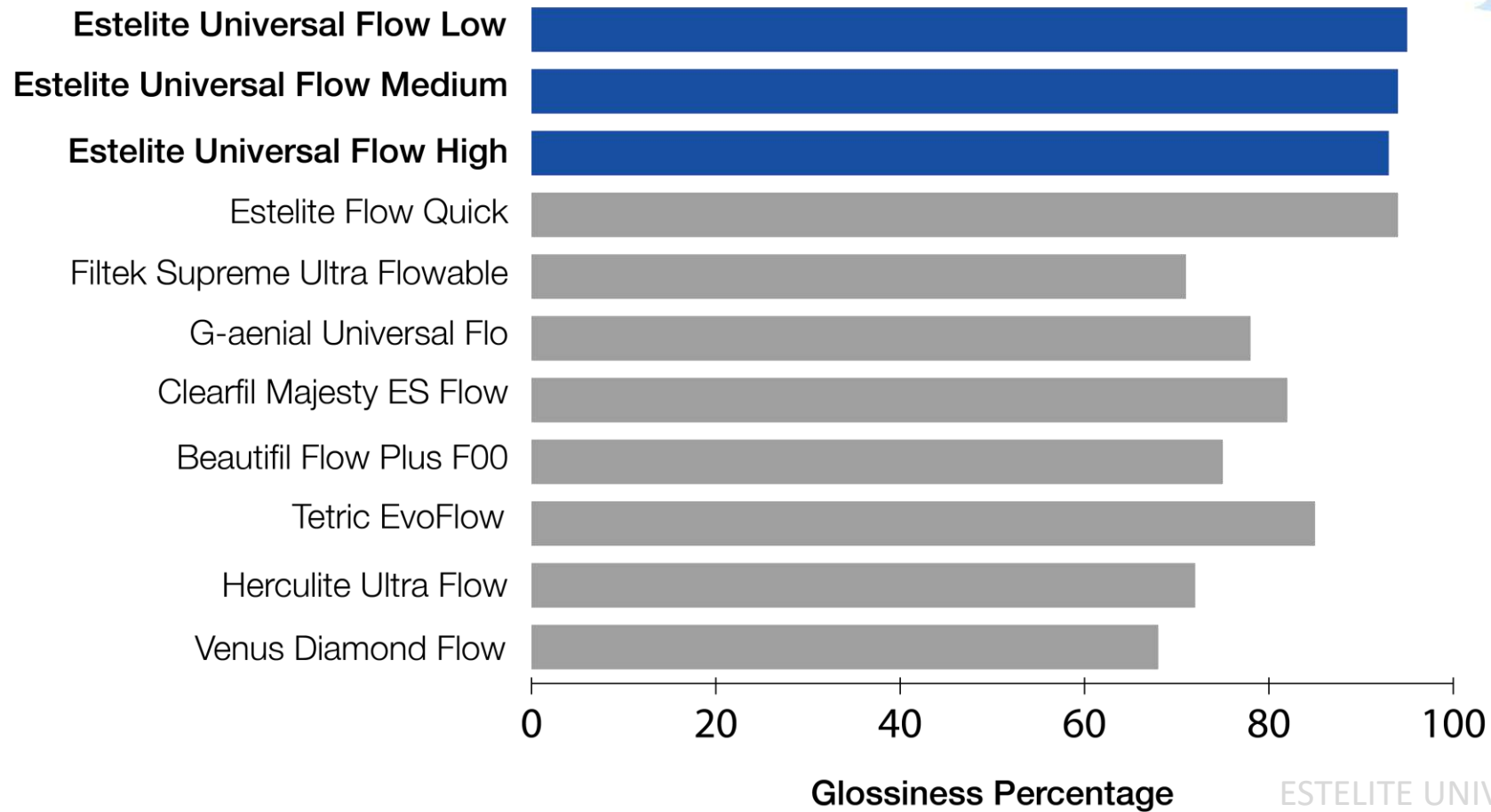
Restored with  
Estelite Universal  
Flow  
Medium A2



After

# Exceptional Polishability

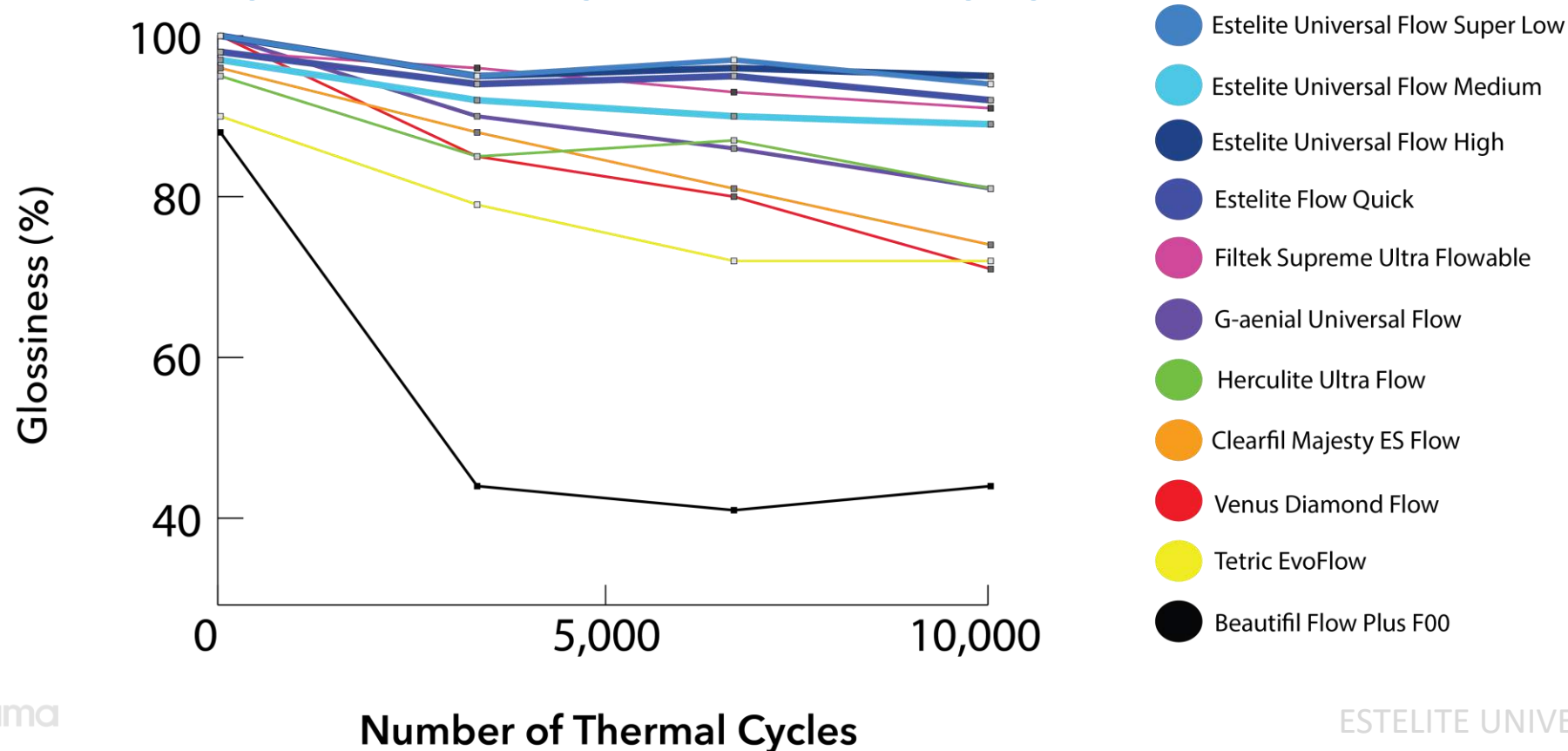
Estelite Universal Flow provides unsurpassed gloss with reduced polishing time, reaching over 90% glossiness in only 60 seconds.



# High Gloss Retention

Estelite Universal Flow is able to preserve its gloss throughout the lifetime of the restoration.

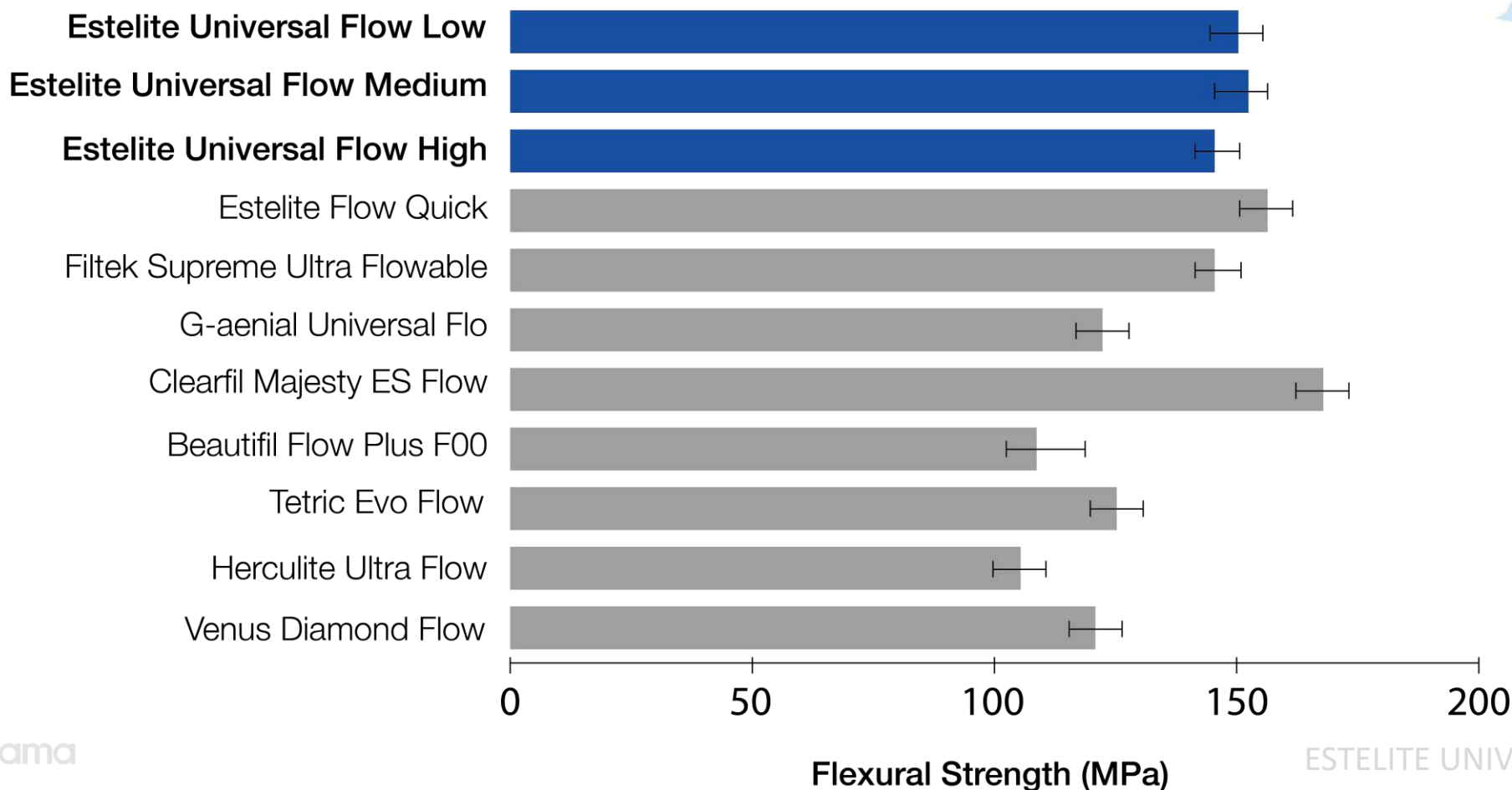
*Highly preserved gloss even after aging!*



# Superior Strength

## Flexural Strength

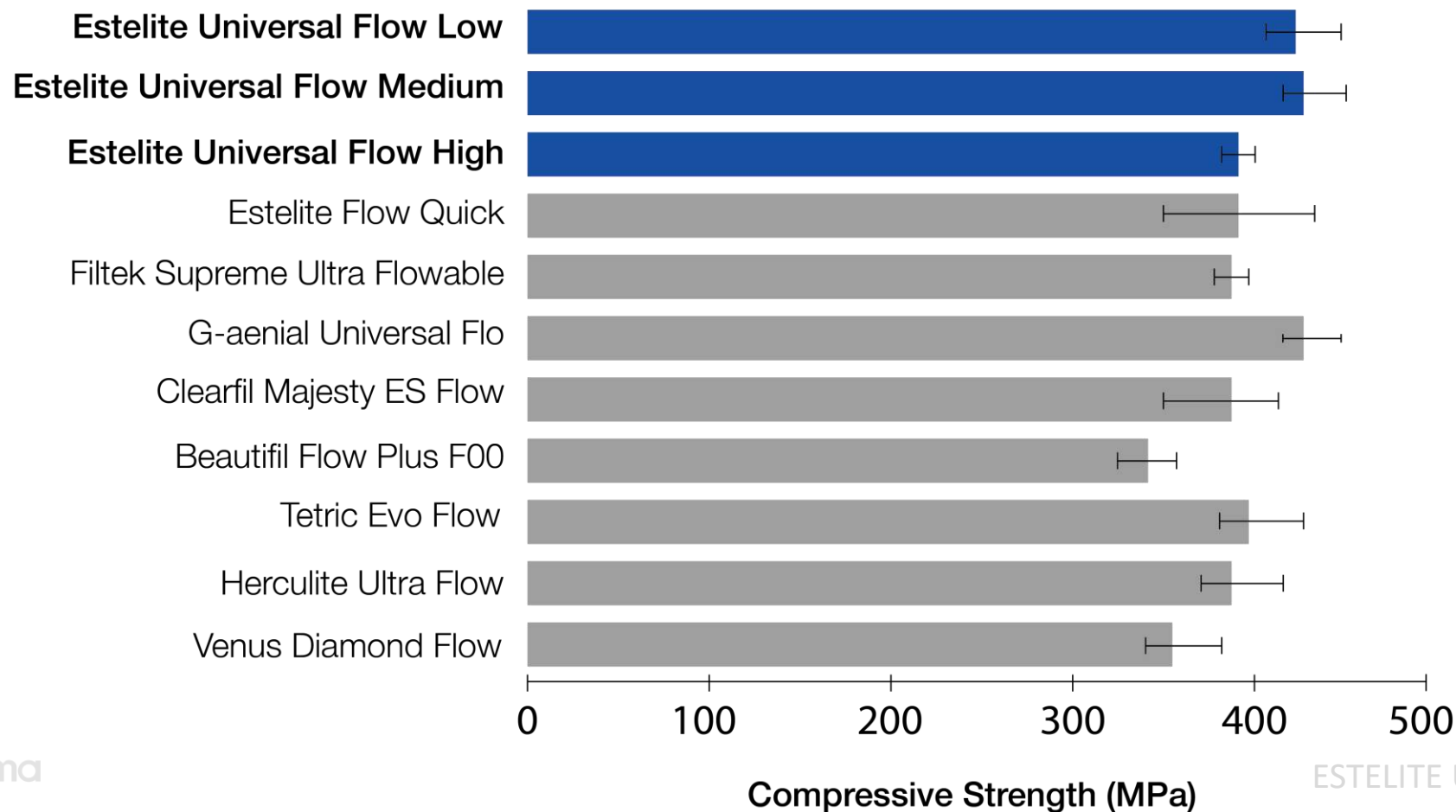
Estelite Universal Flow exhibits high strength, allowing patients to bite with confidence.



# Superior Strength

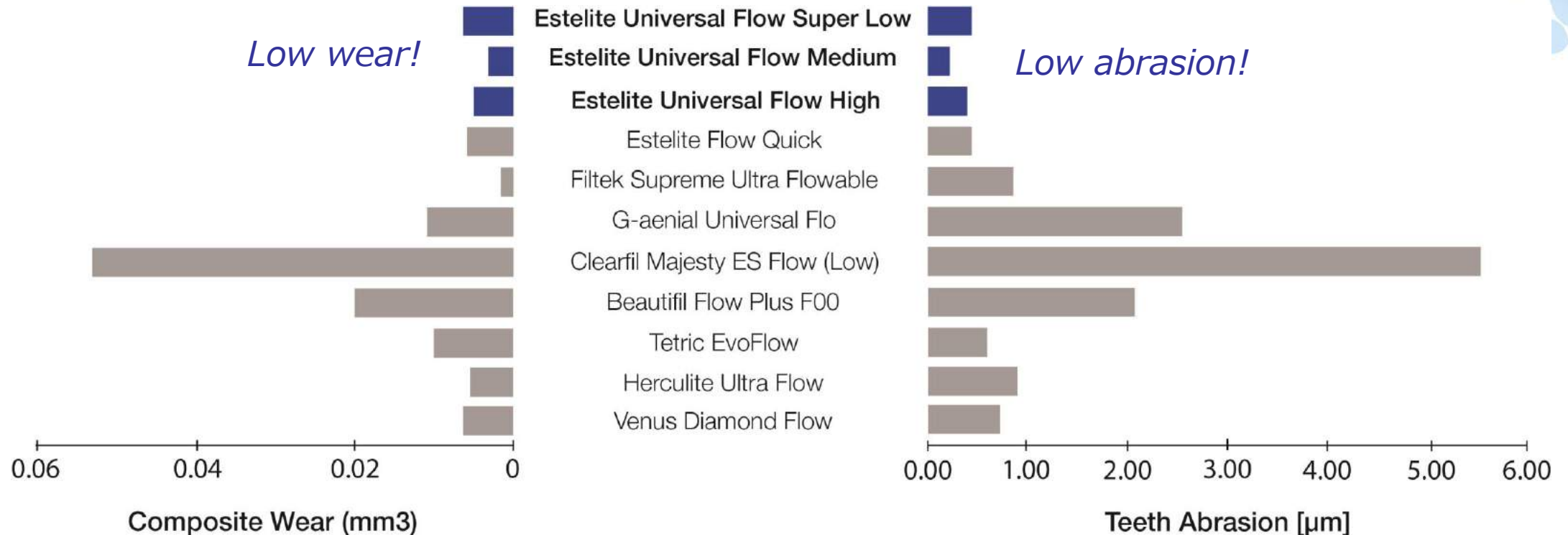
## Compressive Strength

Estelite Universal Flow exhibits high strength, allowing patients to bite with confidence.



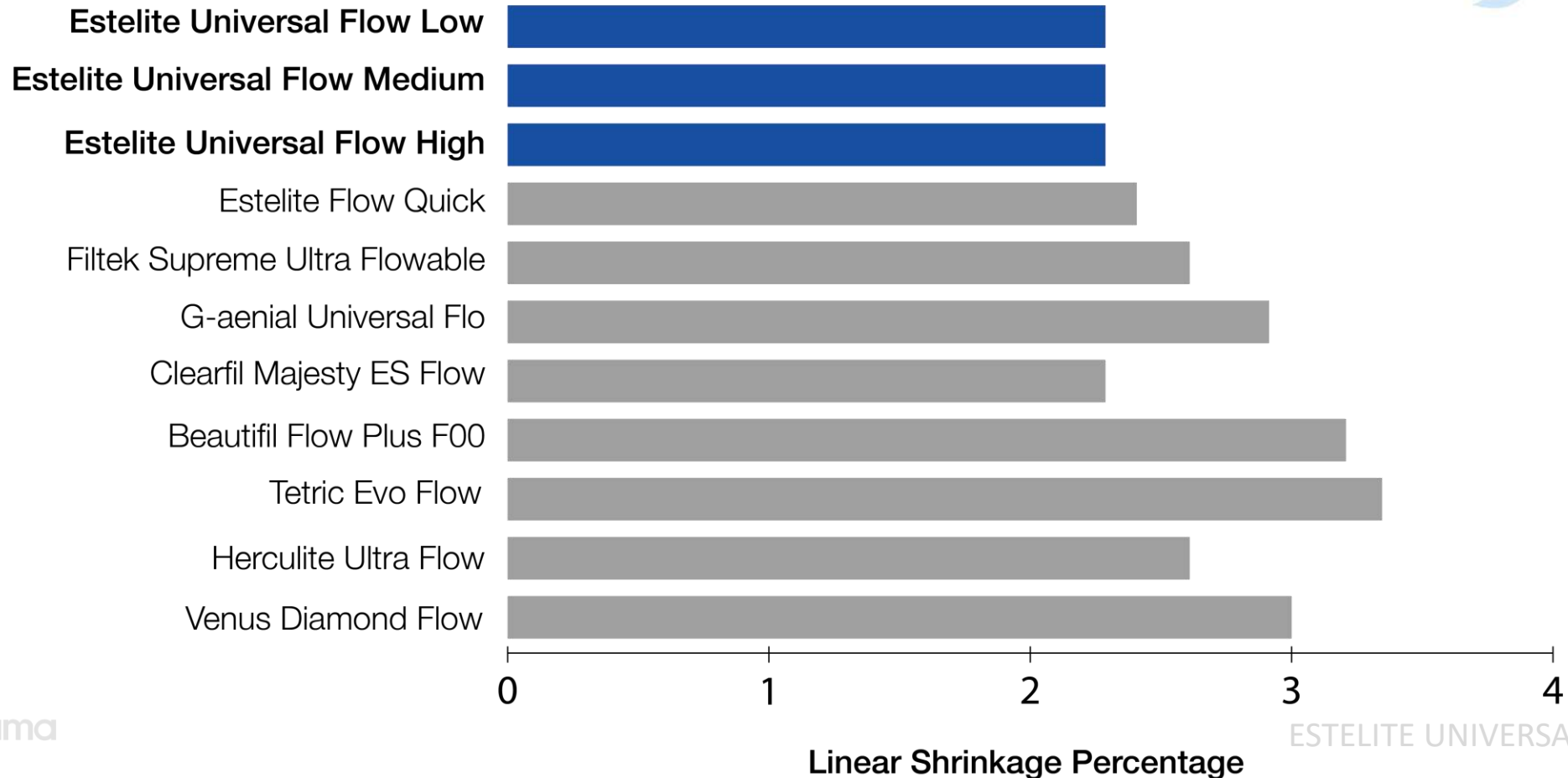
# Excellent Wear Resistance

Estelite Universal Flow provides leading wear and abrasion resistance compared to competitors, resulting in restorations that last.



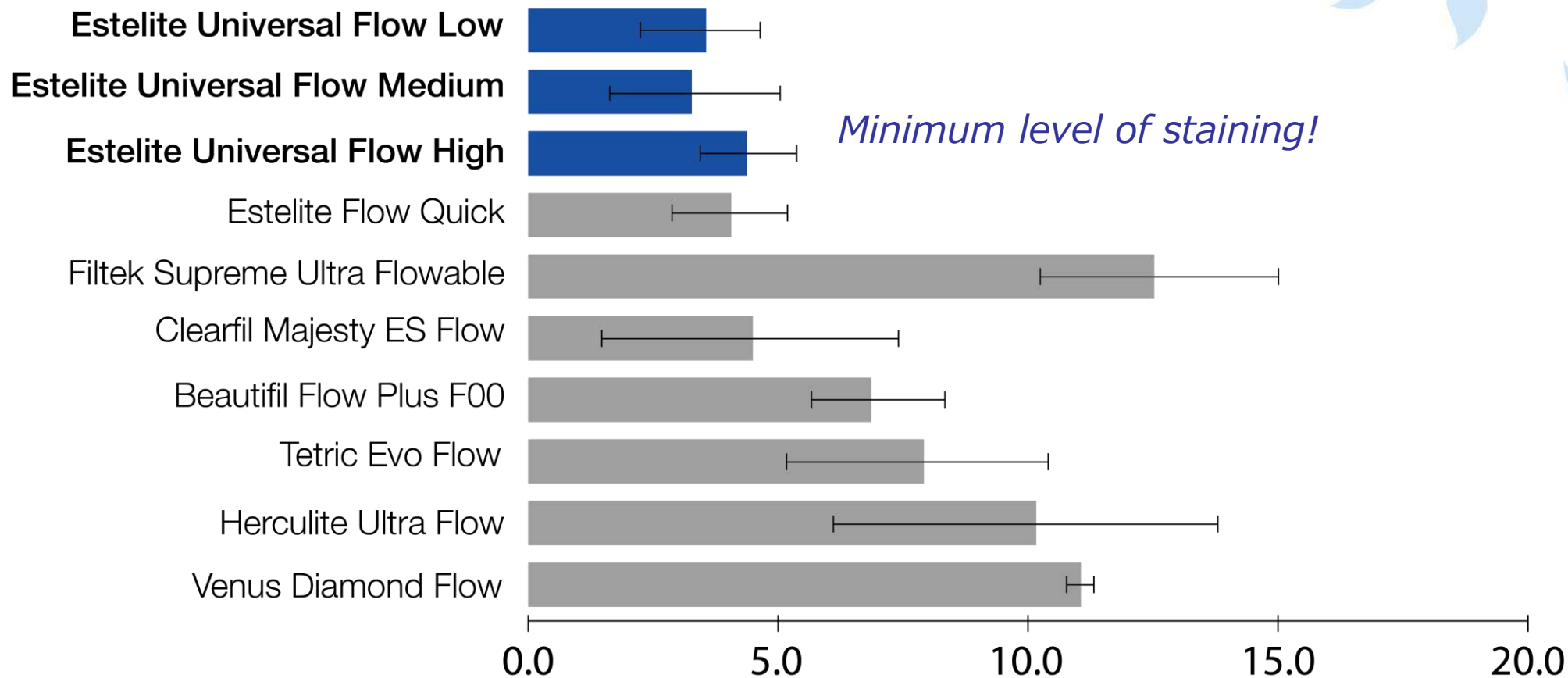
# Low Shrinkage Stress

Estelite Universal Flow provides lower shrinkage stress than competitors, resulting in greater patient comfort



# Resistance to Staining

Estelite Universal Flow resists staining better than competitors, resulting in restorations that stay esthetically pleasing.



# Summary



Three optimal viscosities, providing you with the perfect flowability for your needs



Easy to extrude and non-sticky, non-stringy consistency for effortless restorations



Exhibits high strength, providing low wear and abrasion for longer lasting restorations



Beautiful shade blendability, exceptional polishability, and high gloss retention for more natural restorations



Low shrinkage stress for greater patient comfort





Innovating Tomorrow's Dentistry, Today.™

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