# ENGINEERED FOR ENDURANCE, BUILT FOR STRENGTH.

Retainers are worn for extended periods — often overnight or full-time — and their primary job is to maintain tooth position without active force application.

Zendura A is engineered with special grade polyurethane that helps with:

- Dimensional Stability
- Durability
- Crack Resistance
- Transparency
- Stain Resistance


ZENDURA® | A
CLEAR RETAINER MATERIAL

| SKU | Dimensions | Format | Thermoformer |
|---|---|---|---|
| 9157 | Zendura A 0.76 mm x 125 mm Round | Pouch with 20 | BioStar/ Mini Star/ Drufomat |
| 9192 | Zendura A 0.625 mm x 125 mm Round | Pouch with 10 | BioStar/ Mini Star/ Drufomat |
| 9193 | Zendura A 0.76 mm x 125 mm Round | Pouch with 10 | BioStar/ Mini Star/ Drufomat |
| 9295 | Zendura A 1.02 mm x 125 mm Round | Pouch with 10 | BioStar/ Mini Star/ Drufomat |
| 9156–20 | Zendura A 0.76 mm x 125 mm Round | 20 Singles | BioStar/ Mini Star/ Drufomat |
| 9163–20 | Zendura A 0.76 mm x 120 mm Round | 20 Singles | Erkopress |
| 9164–20 | Zendura A 0.76 mm x 125 mm Square | 20 Singles | BioStar/ Mini Star/ Drufomat |
| 9169–20 | Zendura A 1.02 mm x 125 mm Round | 20 Singles | BioStar/ Mini Star/ Drufomat |
| 9171–20 | Zendura A 1.02 mm x 120 mm Round | 20 Singles | Erkopress |
| 9190–20 | Zendura A 0.625 mm x 125 mm Round | 20 Singles | BioStar/ Mini Star/ Drufomat |



**Global HQ**
**Bay**Materials
48450 Lakeview Blvd. Fremont, CA 94538
+1 650.566.0800
info@zenduradental.com

**North America**
orders@baymaterials.com
Tel: +1 650 566 0800

**Europe, Middle-East & Africa**
orders-emea@baymaterials.com
Tel: +34 91 662 3435

**LATAM**
orders@baymaterials.com
Tel: +1 650 566 0800

**APAC**
orders@baymaterials.com
Tel: +1 650 566 0800

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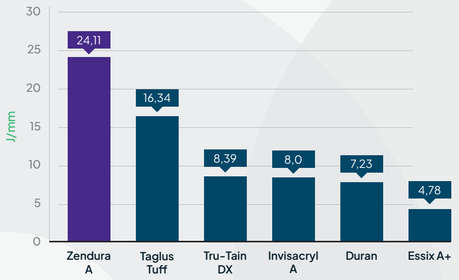
www.zenduradental.com
ZENDURA® DENTAL

# TRANSFORMING SMILES WITH SCIENCE.

## IMPACT STRENGTH

Impact strength is the ability of a material to absorb energy without fracturing.

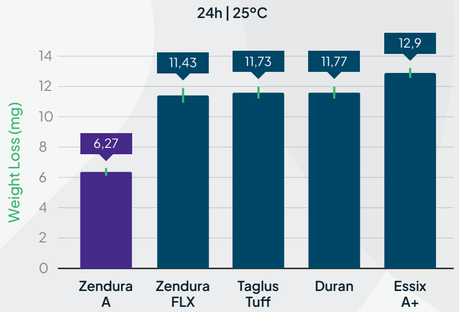
At ambient temperature, Zendura A demonstrates higher impact strength compared to the tested materials*.




## TABER ABRASION

The Taber abrasion test is a method used to measure a material's resistance to surface wear and abrasion caused by rubbing, grinding, or repeated friction.

Zendura A demonstrated the lowest weight loss among all the tested retainer thermoplastics*. It is reflective of materials surface durability, scratch resistance, wear resistance and long term surface integrity.

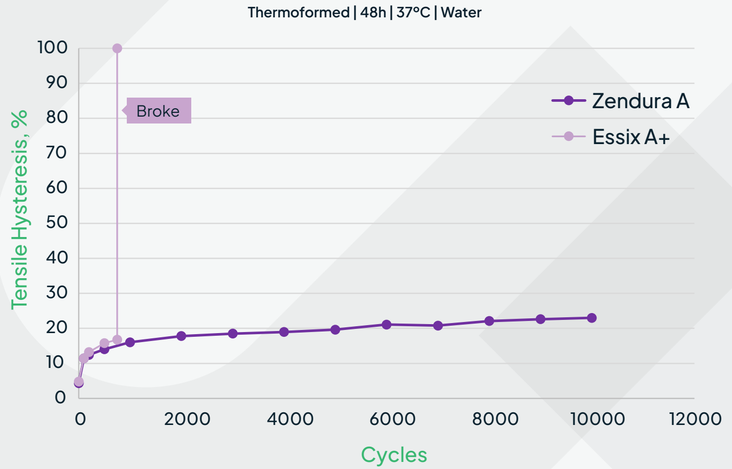



A peer-reviewed study found that Zendura A had signicantly lower wear depth, than the two other commonly used thermoplastic materials (Essix ACE and Taglus), when moderate nighttime bruxing was simulated, making it "the most wear-resistant among the materials tested" [1].

## TENSILE HYSTERESIS

Tensile hysteresis (TH) is a measure of how efficiently a retainer material returns to its original form after repeated flexing. Lower TH is suggestive of longer-lasting fit and better retention.

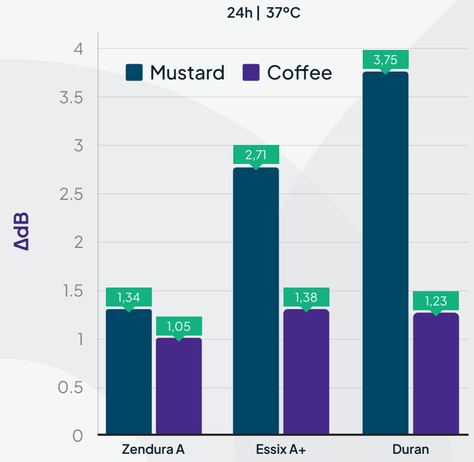
Tensile Hysteresis for Zendura A grows slowly from 16% at 1000 cycles to 23% at 10,000 cycles* - indicative of excellent elastic recovery and minimal loss during prolonged cyclical loading

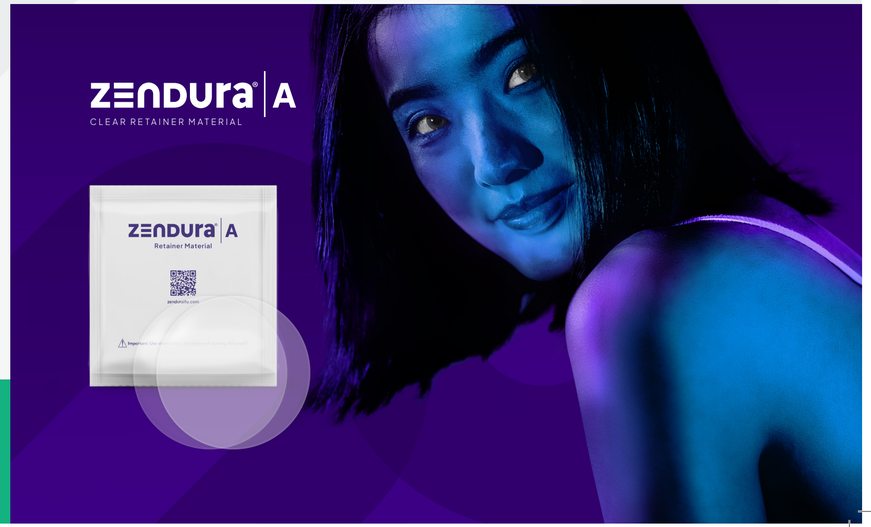



**Zendura maintains very low hysteresis over 10,000 cycles.**

## STAIN RESISTANCE

Zendura A is designed to maintain long-term clarity, offering improved resistance to discoloration when compared against tested retainer materials* - supporting a consistently clean, aesthetic look for patients




ZENDURA DENTAL

[1] Grünheid, T., & Bitner, T. F. (2023). Wear and fatigue resistance: An in-vitro comparison of three polyethylene terephthalate glycol and thermoplastic polyurethane materials for vacuum-formed retainers. International Orthodontics, 21(2), 100748. doi:10.1016/j.ortho.2023.100748