

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/ Druformat
9192	Zendura A 0.625 mm x 125 mm Round	Pouch with 10	BioStar/ Mini Star/ Druformat
9193	Zendura A 0.76 mm x 125 mm Round	Pouch with 10	BioStar/ Mini Star/ Druformat
9295	Zendura A 1.02 mm x 125 mm Round	Pouch with 10	BioStar/ Mini Star/ Druformat
9156-20	Zendura A 0.76 mm x 125 mm Round	20 Singles	BioStar/ Mini Star/ Druformat
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/ Druformat
9169-20	Zendura A 1.02 mm x 125 mm Round	20 Singles	BioStar/ Mini Star/ Druformat
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/ Druformat

BioStar & MiniStar are registered trademarks of Scheu.
Druformat is registered trademark of Dreve.
Erkopress is registered trademark of Erkodent.

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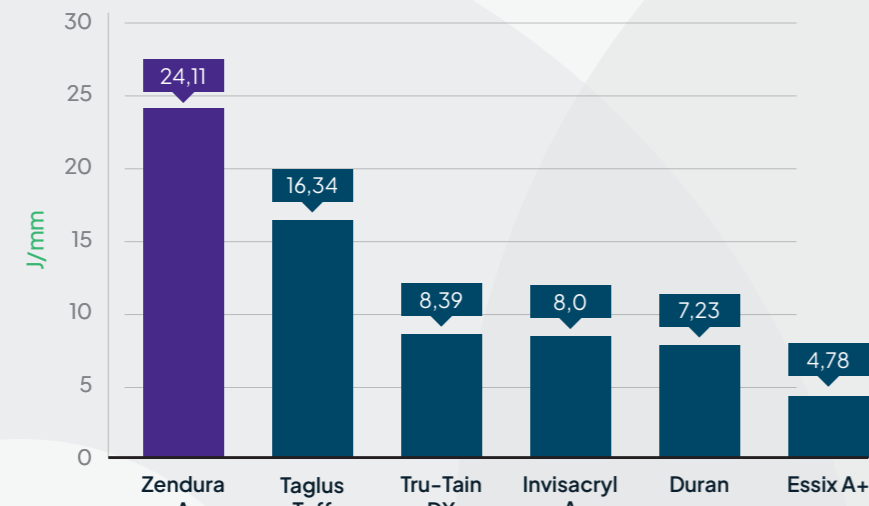


TRANSFORMING SMILES WITH SCIENCE.

IMPACT STRENGTH

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

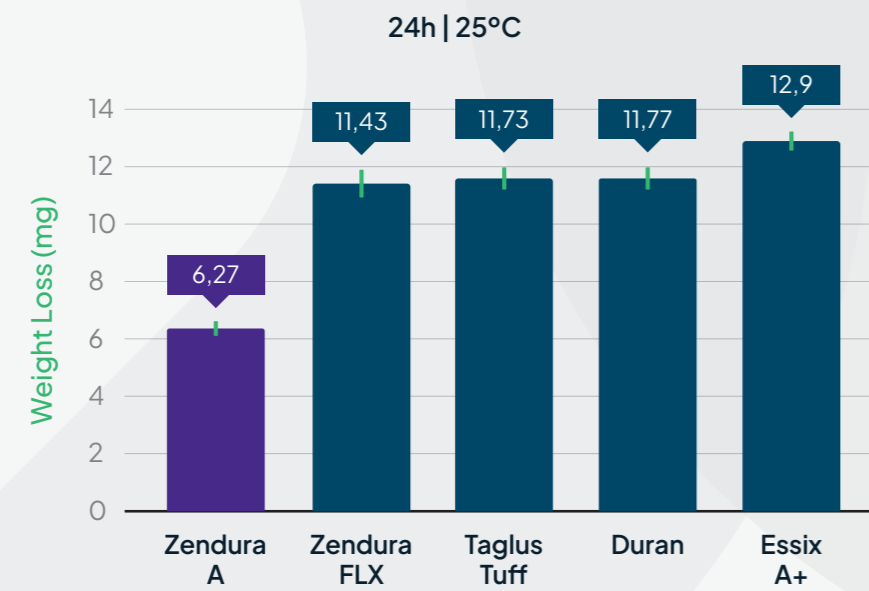
Zendura A demonstrates high impact strength compared to other materials when tested at ambient temperature.



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.

It is reflective of materials surface durability, scratch resistance, wear resistance and long term surface integrity.

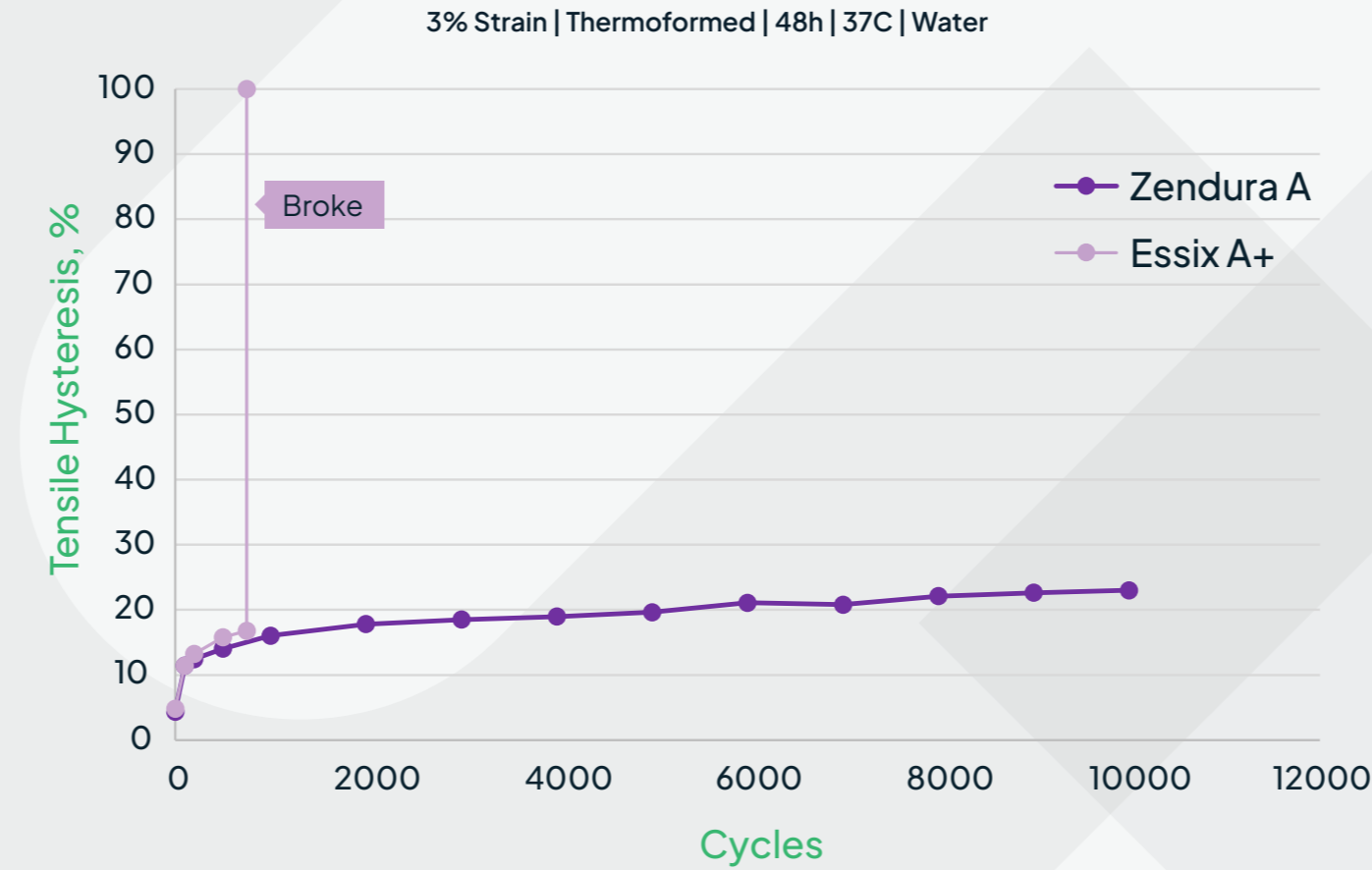


A peer-reviewed study found that Zendura A had significantly lower wear depth, than the two other commonly used thermoplastic materials (Essix ACE and Taglus), when moderate nighttime bruxing was simulated, making it "the most wear-resistant among the materials tested"⁽¹⁾.

TENSILE HYSTERESIS

Tensile hysteresis (TH) is a measure of how efficiently a retainer material returns to its original form after repeated flexing. Lower TH means 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

Unlike conventional retainer materials, Zendura A maintains its crystal-clear appearance over extended wear period, ensuring a clean and aesthetic look for patients.

