

Zendura®



A New Generation Material Developed By A Team Of World Class Material Scientists
To Meet The Ever Challenging Needs Of The Orthodontic Profession
And Highest Standard Of The Patients' Satisfaction!

A New Standard Of Aesthetics And Craftsmanship

Zendura is a robust rigid polyurethane material which was developed specifically for retainer and aligner applications, and is optimised to have the ideal balance of properties including crack resistance, stress retention, stain resistance and optical clarity. Zendura material offers all the advantages of comfort, easy fabrication, durability, and aesthetic results that modern day orthodontic practices require.



Protected Patients' Investment



Improved In-House Productivity



Elevated Patient Satisfaction

Properties

Stress Retention — Stress Retention is the propensity of a material to resist deformation. Rigid polyurethanes combine high strength and ductility with low stress relaxation and practical toughness.

Clarity — Zendura material begins life and ends life with excellent clarity and color stability that creates the impression of "crystal clarity" in the oral cavity.

Easy Fabrication — The in-office manufacturing of Zendura using vacuum or pressure forming system is fast and seamless. You can turn over the fabrication within hours and know every single time the appliance will fit like a glove.

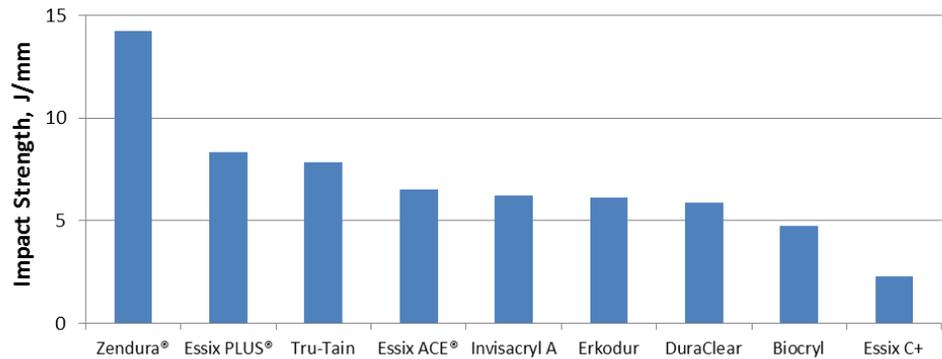
Most of the other comparable thermoforming materials, using for example PETG or PP resins, lack in at least two of the described critical performance properties.

(See comparison chart over the page)

Impact Strength

Material Normalized at 0.030 Thickness

Measuring The Ability to Resist Crack Under Continuous Impact (Force)



Crack Resistance

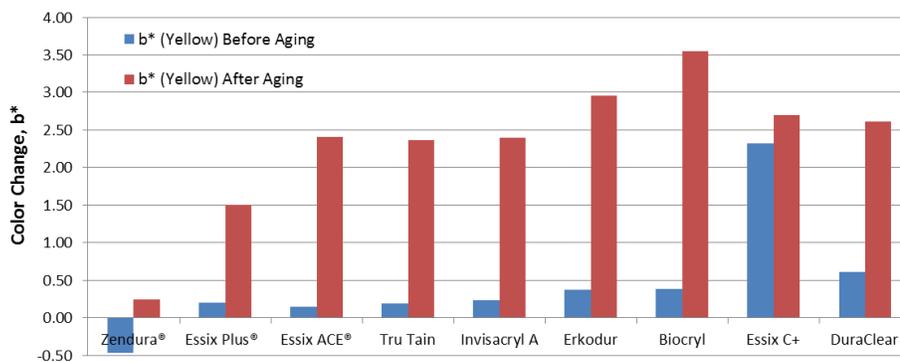
Having a *tough* polymer backbone, Zendura boasts a reputation as the benchmark for crack resistance.

Zendura has been used in retention applications for periods as long as **three years**.

Stain Resistance

CIELAB Yellow Color Index (b*) Before and After 24 Hour Immersion in Mustard at 37C

Measuring The Ability to Resist Staining After Extended Period of Exposure in Oral Cavity



Stain Resistance

Exposure to food and drinks can cause plastics to yellow, stain and structurally deteriorate.

Zendura has demonstrated resistance to staining for applications extending long period of time in the oral cavity.

Why Zendura?

Consider the **Actual Cost** you'll have to spend on a retainer breakage case:

- Patient Inconvenience & Relapse;
- Chair Time for Impressions & Refit;
- Technician's labor & Lab Cost.

Frustrated by the lack of ideal fit, long term durability and cracking issues, and aesthetic challenges that most clear retainers present?

A superior material is able to resolve your frustrations and make breakage an exception rather than the norm!



"We have found the Zendura Plastic to be the BEST we have seen in years. The strength and durability have been good and the fit has been excellent!"

-Dr. Tony Harwell, Sr. & Dr. Anthony Harwell, Jr. D.D.S



"By far the best thermoplastic retainer material on the market. Tried a lot of other brands and Zendura is simply the best. It is easy to trim and polish, adapts well and is way more durable and breakages are quite rare. I highly recommend

Zendura material." -Dr. Ahmed Mansour, D.D.S



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