

TRISTAR® COMPOSITE ALIGNER TECHNOLOGY

tristar

Complete Clear Aligner Material Solution



ABOUT TRISTAR®

With two decades of aligner material expertise, we possess valuable insights into their clinical efficacy. Guided by data for optimal outcomes, we have formulated the Tristar® aligner material as the cornerstone for fundamental clinical tooth movement. Our mission is to furnish the dental industry with an efficient and cost-effective aligner solution.



SUPERIOR
STRESS
RETENTION



CRACK
RESISTANCE



TOUGH AND
DURABLE



COMFORTABLE
FOR YOUR PATIENTS



COMPETITIVE
PRICING

R&D JOURNEY

Tristar®, our flagship material, emerged from a superior polymer composite foundation developed by our chemists and clinicians. Trusted to provide consistent and gentle force delivery, This material has set a new industry standard for clear aligner treatment. Tristar® Aligner Material, continues to improve patient treatment through collaboration with research-focused universities, driving rapid advancements in artificial intelligence and clear aligner treatment, including the world's first digital functional appliance material.

Our progression led us to create our own clear aligners, from older methods such as plaster models to digitally driven solutions, improving precision and efficiency in the aligner fabrication. Today, we deliver more than a million clear aligner splints worldwide, to customer spanning more than 20 countries. Tristar®: Tested, Trusted to deliver dependable clinical performance.



CERTIFICATE SHOWCASE



PIHAK BERKUASA PERANTI PERUBATAN
KEMENTERIAN KESIHATAN MALAYSIA



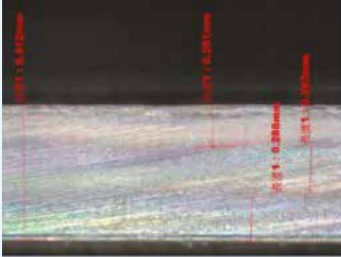
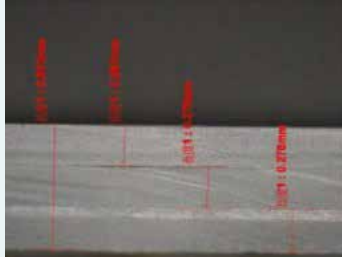
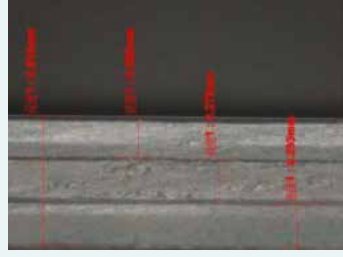
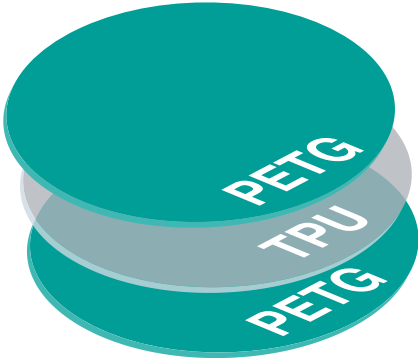
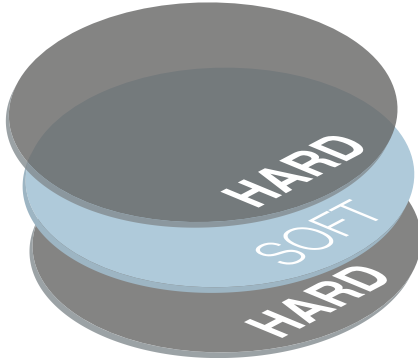
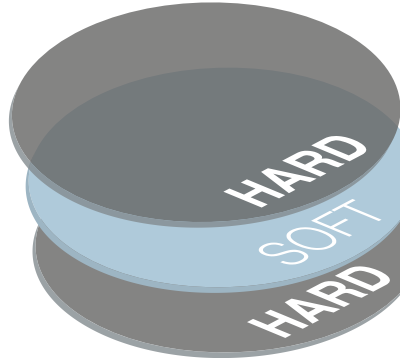
Australian Government
Department of Health



TRISTAR® Aligner Material:
Trusted and Certified by Hamer



PRODUCT COMPARISON

| PRODUCT | TRISTAR TRUBALANCE | COMPETITOR 1 | COMPETITOR 2 |
|----------------|---|--|---|
| LAYER OF SHEET |  |  |  |
| TYPE OF LAYERS |  |  |  |

COMPOSITE ALIGNER TECHNOLOGY WITHIN YOUR REACH.

Our high quality materials exported to India, Europe, USA, Thailand,
Vietnam, Singapore, Australia and Middle East Countries.

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TRISTAR® PRODUCT



TRISTAR TRUBALANCE

0.76mm x125mm
(Composite layered-
Aligner Material)

100.1mm x 120m*
(Composite layered-
Aligner Material Roll)

*Width & length
are customizable

TRISTAR SMILEKEEPER

0.76mm x125mm
(Mono layered-
Retainer Material)



TRISTAR ATTACHEMENT TEMPLATE

0.3mm x125mm
(Mono layered- Tem-
plate Material)



TRISTAR VALCON

PetG Soft
0.5mm

PetG Medium
0.625mm

PetG Hard
0.75mm

Temporary
Retainer
1.00mm



TRISTAR T-PLUS

1.80mm x125mm
(Dual layered-
Functional
Appliance Material)

TRISTAR CLEAR ALIGNER MATERIALS

Loved by Everyone:
From Aligner Companies to
Clinicians and
ultimately Patients

TRISTAR® TRUBALANCE



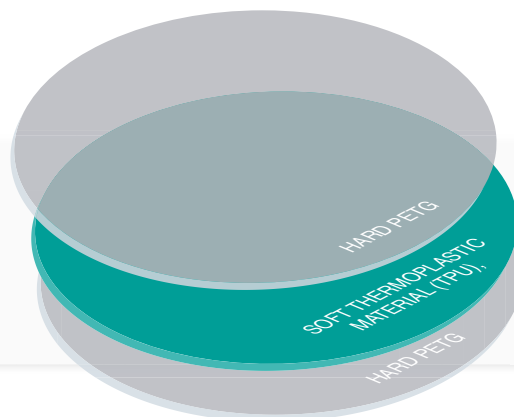
0.76mm x 125mm
(Composite Layered-Aligner Material)

100.1mm x 120m*
(Composite layered-Aligner Material Roll)

*Width & Length are customizable

KEY FEATURES: STRESS RETENTION

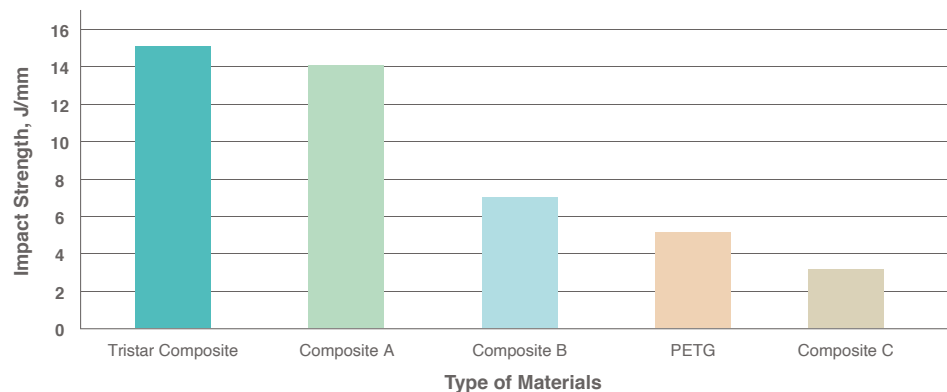
The impact strength was measured according to Standard Test Method (ASTM D5420) for Impact Resistance of Flat, Rigid Plastic Specimen



The elastic, central layers allow the outer composite layers to slide over each other, aiding extended elastic properties.

IMPACT STRENGTH

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



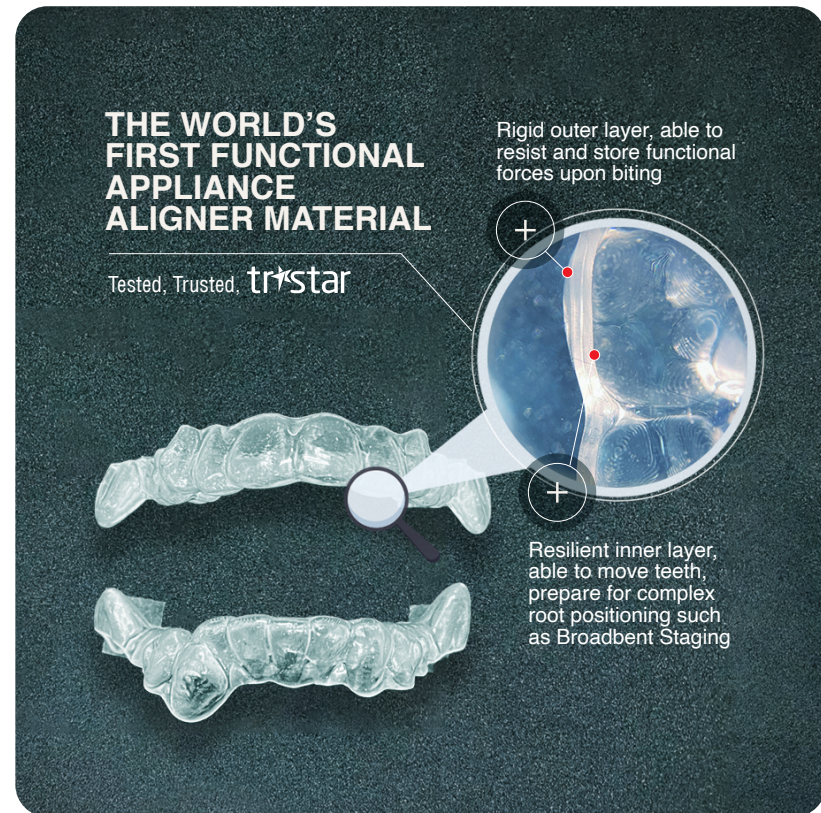
TRISTAR® T-PLUS



1.80mm x 125mm
(Dual layered – Functional Appliances Material)

FUNCTIONALITY

Introducing Tristar® T-plus: an innovative dual-layer functional appliance sheet. Its rigid outer layer resists functional forces, while the inner soft layer facilitates tooth and root movement. With a 1.8mm total thickness, this material enables the fusion of functional appliance benefits and teeth alignment – a groundbreaking advancement, uniting these capabilities for the first time.



TRISTAR® ATTACHMENT TEMPLATE



0.3mm x 125mm
(Mono layered-Template Material)

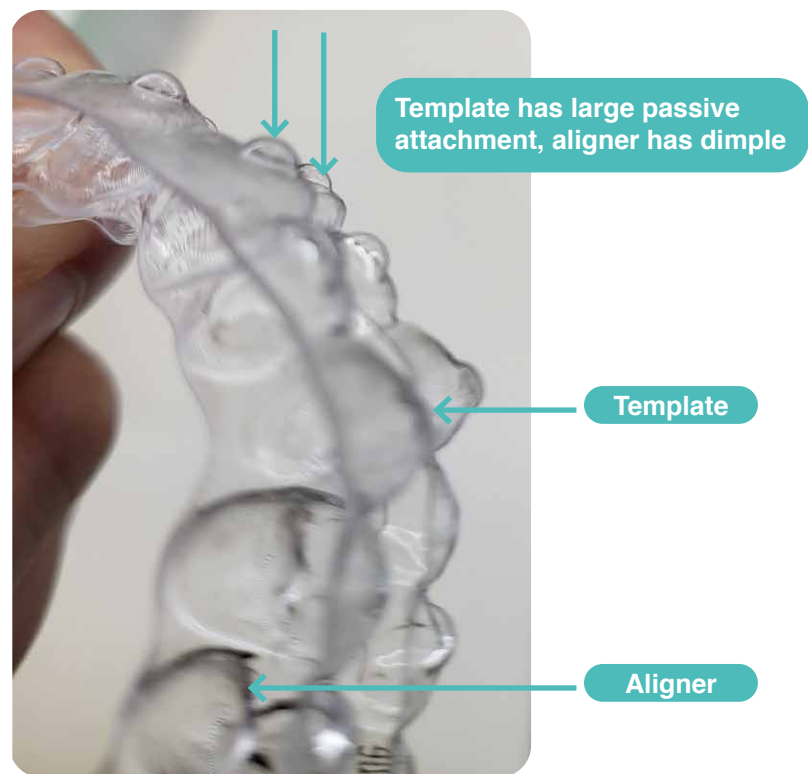
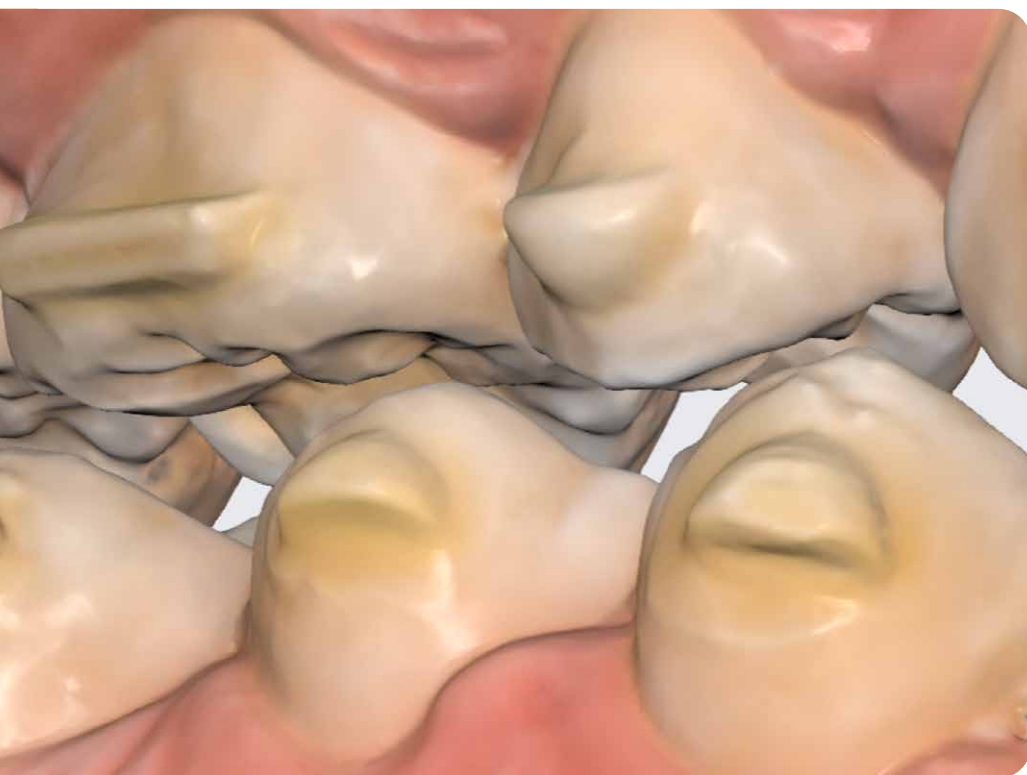
FEATURES

0.3mm for precise bonding of attachment onto tooth surfaces

Activated aligner vs template scan surface



Template works in tandem
with Trubalance for force delivery



TRISTAR® VALCON



Tristar® Valcon 0.5mm x 125mm

Tristar® Valcon 0.625mm x 125mm

Tristar® Valcon 0.75mm x 125mm

Tristar® Valcon 1.00mm x 125mm

FEATURES

**Tristar® Valcon –
Economical monolayered sheet**

**Acceptable force delivery through
soft, medium and hard stages**

Tristar® Valcon is a first-generation PET-G material for orthodontic tooth movement. It has a rather low yield limit but may be used if you need an economical solution.

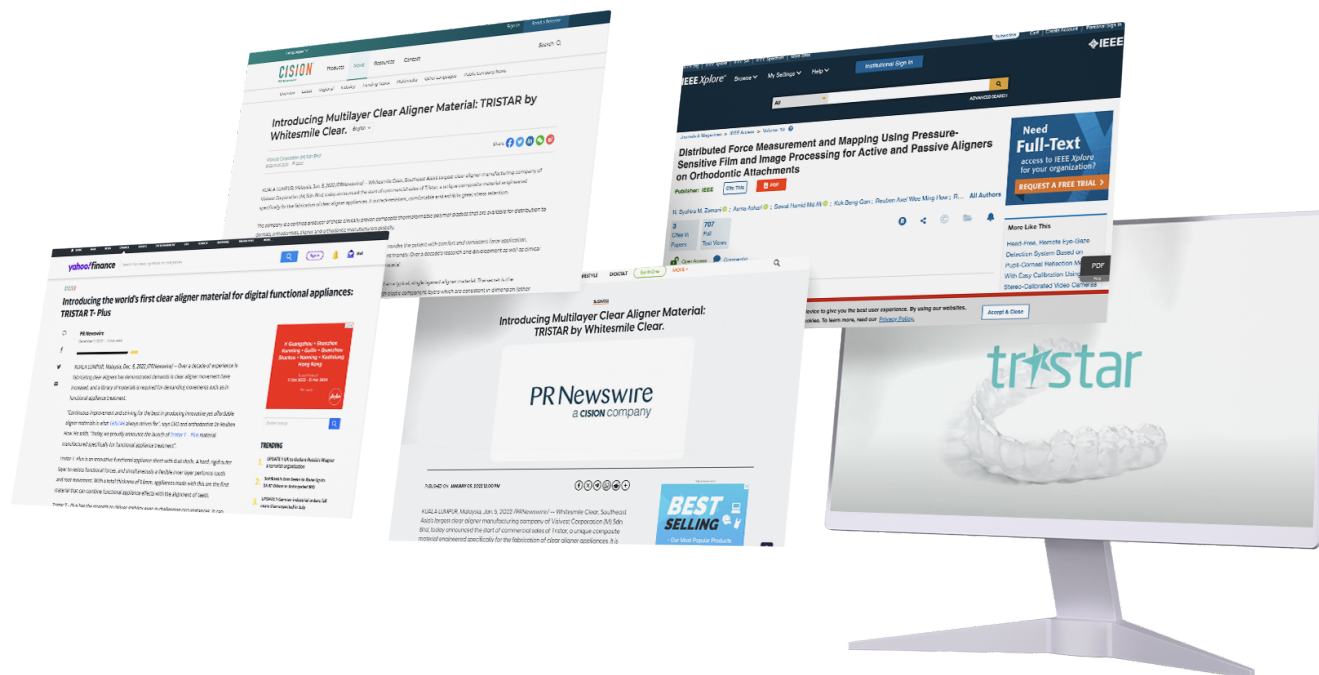
TRISTAR® SMILEKEEPER



FEATURES

Tristar® Smilekeeper is a single-layer, polyurethane material. It is a very rigid, impact-resistant material. It is made to limit or prevent tooth movement after treatment. It is a retainer material.

PUBLICATION – NEWS & RESEARCH ON TRISTAR®



<https://finance.yahoo.com/news/introducing-worlds-first-clear-aligner-004100629.html?guccounter=1>

<https://en.prnasia.com/releases/apac/introducing-multilayer-clear-aligner-material-tristar-by-whitesmile-clear--347490.shtml>

<https://www.asiaone.com/business/introducing-multilayer-clear-aligner-material-tristar-whitesmile-clear>

<https://ieeexplore.ieee.org/document/9775116?fbclid=IwAR0VFfAkR4rCU-4es6T--CNBYMpGUtOpcjDRd7vLeBKmeFEjyDs9JgN8D0>

As Seen On



CLIENT TESTIMONIAL

Dr. William Michael Mojilip (BDS)

Coming from Invisalign and other thermoplastic retainer materials on the market I was wary of launching into another material. We researched the traditional weak points of clear aligner materials - 2nd order tipping, third order torque application and resolved them. This clear aligner material proves easy to trim and polish and the adaptation has been excellent, even in the mixed dentition. It is light years ahead in durability and breakages are rare

Dr. Sachin (Orthodontist at Dentusdentino Clinic, Moldova)

I have been using Tristar for a long time and very satisfied with the result and usage. The properties are excellent for difficult movements.

Dr. Nicolas Salesse (DDS, MSC in Orthodontics)

I had very good feedback from your material. Some dentist in VN (Vietnam) tried on themselves.

Dr. Tuan, Orthodontic from Dentplus Viet Nam

Utilizing the Tristar Aligner Material throughout my treatment period, I have consistently witnessed steady and noteworthy progress, resulting in a level of satisfaction that

I find it exceedingly gratifying. I wish to express my sincere appreciation to Tristar for offering an aligner material that embodies both efficacy and a patient-centered approach.



<https://dentplus.vn/>

Dr Viet Hoang, Founder of Singapodent

"I am profoundly impressed by the exceptional quality of the Tristar® Aligner Material. The remarkable outcomes achieved and the consistently high level of patient satisfaction it has garnered firmly establish the Tristar® Aligner Material as my preferred choice for clear aligner treatments."



<https://singapodent.com/mang-chinh-nha>



alignermaterial.com

TRISTAR® MALAYSIA

Visivest Corporation (M) Sdn. Bhd,
T2-6&7, 2nd Floor, Wisma SPS,
32 Jalan Imbi,
55100 Kuala Lumpur

Tel: +60-3-2771-1607

Whatsapp: +60-18-664-7433

Email: info@alignermaterial.com

TRISTAR® SINGAPORE

Whitesmile Pte Ltd #05-22, River Place,
62 Havelock Road, 169659 Singapore

info@alignermaterial.com



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