



ALIGNER & RETAINER SHEETS | 3D PRINTING RESINS

PRODUCT CATALOGUE



BPA
FREE

TAGLUS[®] PREMIUM
The Finest Aligner Material

Thermoforming Foils
Folhas de termoformação
Láminas de termoformado
Термоформовочная фольга
Feuilles de thermoformage
Tiefziehfolien

 **TAGLUS[®] PREMIUM**
The Finest Aligner Material

WHAT IS TAGLUS ?

>TOUGH

>TRANSPARENT

>FLEXIBLE

Our addition of special grade glycol to PET removes the hazing effect seen during heating and also prevents an undesirable crystallization. Additionally, the inclusion of glycol in this composition transforms the inner walls of aligner/retainer into a more comfortable material to the patient. So the Taglus premium is an unique engineering combination of elasticity with rigidity and clarity a perfect balance.

ABOUT TAGLUS PREMIUM™

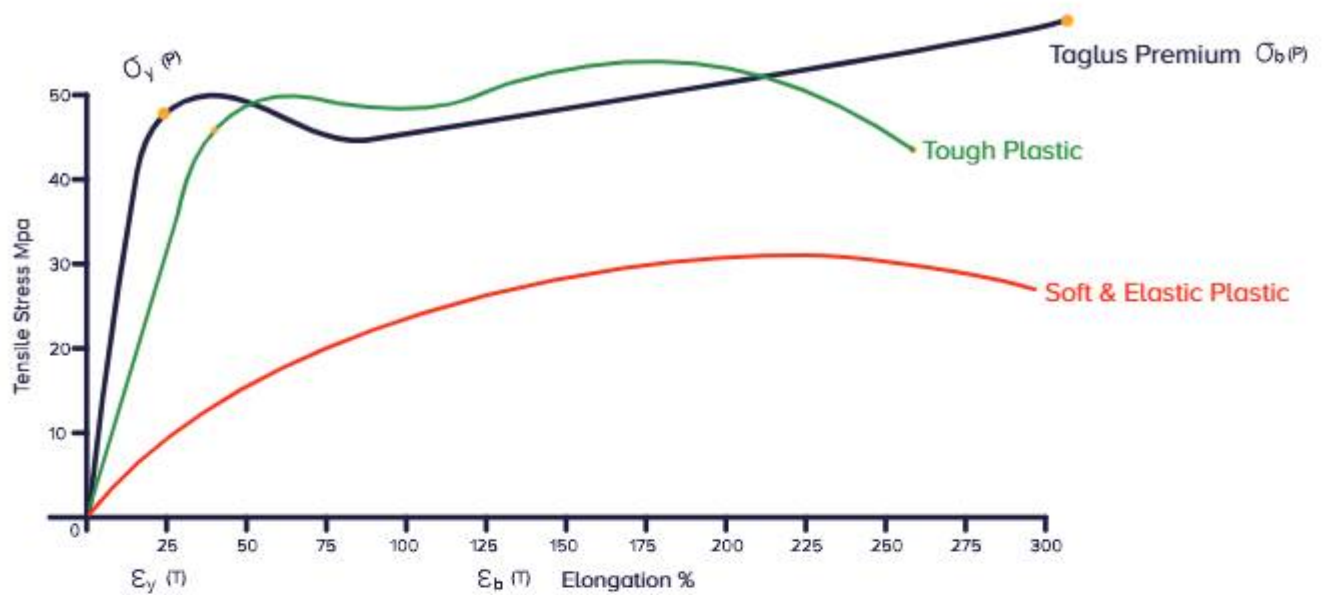
Taglus Premium is an innovative aligner and retainer material with superior material properties and enhanced esthetics. As a unique engineering combination of elasticity with matchless rigidity and crack resistance, it offers the most optical clarity along with stain resistance for enhanced esthetics.

SIZES

DIMENSIONS	THICKNESS	
	(mm)	(Inch)
∅ 125mm	0.5	0.020"
∅ 120mm	0.762	0.030"
■ 120mm x 120mm	1.02	0.040"
■ 125mm x 125mm	1.5	0.060"
	2.0	0.080"

Available in Round, Square, Arch & Roll Form

TAGLUS RETAINER & ALIGNER PROPERTIES



TENSILE STRESS

In applications where plastic films are designed to withstand orthodontic forces in an aligner, the mechanical properties of polymers namely Strength, stiffness and toughness play a vital role. Such properties of Taglus premium sheets when investigated using standardised test methods, e.g. tensile stress as per ASTM D638: 2014 by briefly applying load in one direction the approximate results and values observed during such test, demonstrate that Taglus Premium is a unique balance of rigidity with elasticity. The test was performed by an NABL accredited Laboratory complying with ISO/IEC 17025 Laboratory Management System.

TENSILE MODULUS OF ELASTICITY

Tensile Modulus, or Young's Modulus, widely known as the tendency of an object to deform along an axis when opposing forces are applied along that axis; and defined as the ratio of tensile stress to tensile strain. TAGLUS Premium sheets having a very high tensile modulus of approximately upto 1800-2200 MPa, tested as per ASTM D638:2014 give the best crack-free aligners and retainers.

The raw material used to manufacture TAGLUS is compiled in accordance with various agencies worldwide as follows:

BIOCOMPATIBILITY TESTING

Taglus thermoforming foils have passed biocompatibility testing namely Skin Sensitization, in vitro Cytotoxicity and Skin Irritation test as a regulatory requirement for demonstrating the preclinical safety of medical devices, this is evaluated in accordance with the standard guideline.

Scan to view test report



WORKING INSTRUCTIONS: HEATING TIME

	0.020" (0.5mm)	0.030" (0.762mm)	0.040" (1.020mm)	0.060" (1.5mm)	0.080" (2.0mm)
BioSTAR MiniSTAR / MiniSTAR S	Code 103/ Code 113	Code 103/ Code 113/ Code 123	Code 113/ Code 123/ Code 133	Code 133/ Code 143 / Code 153	Code 184/ Code 194/ Code 204
Dreve Druformat Scan	Heating - 0:55 Cooling - 1:20	Heating - 1:05 Cooling - 1:30	Heating - 1:10 Cooling - 1:40	Heating - 1:30 Cooling - 2:00	Heating - 2:00 Cooling - 2:20

MiniSTAR/BioSTAR are trademarks of Scheu Dental Technology. Druformat Scan is trademark of Dreve Dentamid. Erkodent is trademark of ERKODENT Erich Kopp GmbH. TRACK®-V is trademark of FORESTADENT - Bernhard Foerster GmbH.

Pressure should be set ABOVE 4 Bars. Temperature is at MACHINE default.

Taglus Sheets are protected by masking sheets, remove the protective sheets AFTER thermoforming and finishing.

Above times are general guidelines only, as each individual machine acts slightly different.

If the plastic does not adapt well to the model, add or reduce 5 seconds to heating time until the result is ideal.

If plastic forms folds, results in NOT clear tray OR shows bubble formation, recalibrate your heating element or reduce heating time until the result is ideal. For any clinical and Lab related questions, please do not hesitate to contact us at info@taglus.com and in case of any serious incident that has occurred in relation to this medical device contact us at info@taglus.com and the competent authority of the Member State in which the user and/or patient is established.



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