



# Accura® Ortho White

A high throughput material that allows for the production of over 1,200 arches per day per machine with accuracy and repeatability that exceeds the industry standard

**Ortho Rigid**

Stereolithography

Accura Ortho White is an advanced SLA material engineered specifically for dental labs producing orthodontic models for clear aligners.

Designed for maximum throughput using Opti-Draw™, it enables production volumes over 1,200 arches per day - while delivering the accuracy and repeatability required for precision thermoforming. When paired with 3D Sprint® TruShell™, labs benefit from a fully optimized digital workflow that reduces material usage by up to 40%, minimizes manual labor, and ensures fast, clean post-processing. This is the go-to solution for scaling orthodontic production while delivering premium quality.

## Liquid Material

MEASUREMENT	CONDITION	VALUE	
Viscosity	@ 25 °C (71 °F)	150 cps	
Color		White	
Solid Density	@ 25 °C (77 °F)	1.16 g/cm³	0.0419 lb/in³
Liquid Density	@ 25 °C (77 °F)	1.10 g/cm³	0.0397 lb/in³

## APPLICATIONS

- Orthodontic tooling dental models for thermoforming clear aligners

## BENEFITS

- Massive Throughput: Produces over 1,200 arches per day, per machine
- Superior Accuracy & Repeatability: Ideal for precision thermoforming and reliable results arch-to-arch, build-to-build and printer-to-printer
- Reduced Material Usage: Save up to 40% resin per model using 3D Sprint TruShell
- Time-Saving Workflow: Single-click workflow that optimizes shelling, scaffold and support generation when using 3D Sprint TruShell
- Fast, Clean Post-Processing: Easy and fast post-processing that includes washing, curing and support removal



Note: Not all products and materials are available in all countries — please consult your local sales representative for availability.



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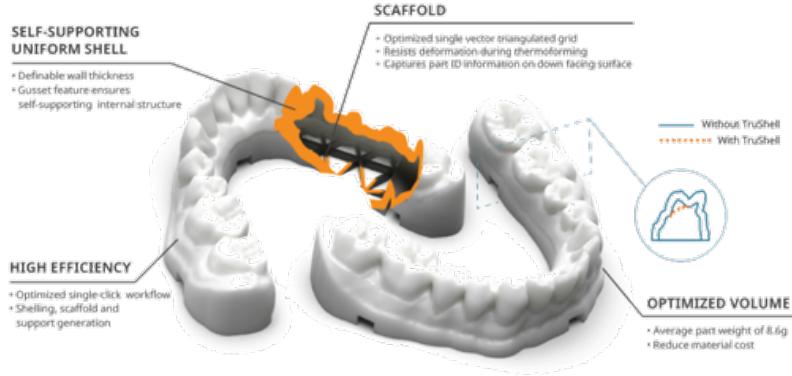
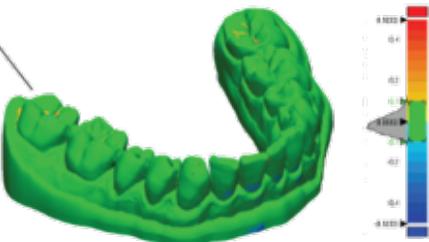
Stereolithography

## Post-Cured Material

MECHANICAL PROPERTIES			
MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa   PSI)	ASTM D638	48	13800
Tensile Modulus (MPa   PSI)	ASTM D638	2380	690000
Elongation	ASTM D638	6-10 %	
Flexural Strength (MPa   PSI)	ASTM D790	91	26400
Flexural Modulus (MPa   PSI)	ASTM D790	2070	600000
Notched Izod Impact Strength (J/m   Ft-lbs/in)	ASTM D256	28-36	0.52-0.67
Heat Deflection Temperature @ 0.45 MPa (66 PSI) @ 1.82 MPa (264 PSI)	ASTM D648	50.7 °C 44.8 °C	123.3 °F 112.6 °F
Coefficient of Thermal Expansion (CTE) (ppm/°C   ppm/°F)	ASTM E831		
< T <sub>g</sub>		74.47	41.37
> T <sub>g</sub>		156.73	87.07
Glass Transition (T <sub>g</sub> )	DMA, E"	50 °C	34.088 °F
Hardness, Shore	ASTM D2240	80D	
Water Absorption	ASTM D570	0.39 %	

## HIGH PRECISION

+90% Accuracy  $\pm 100 \mu\text{m}$ \*



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