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.

3D SYSTEMS®

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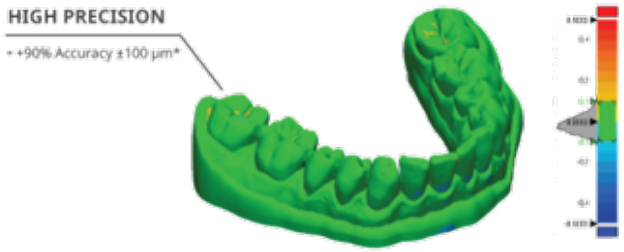
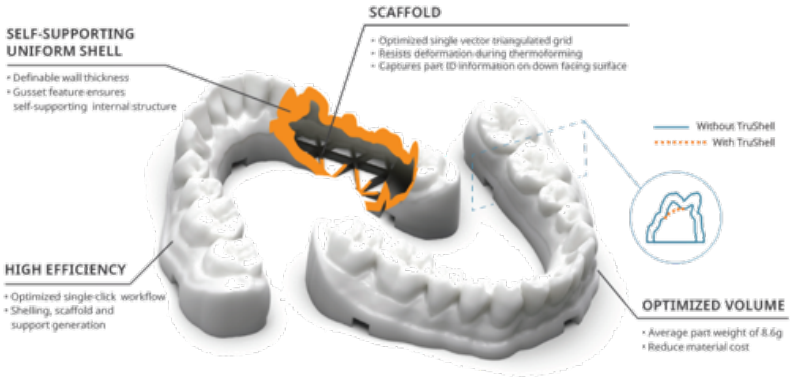
Post-Cured Material

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) < Tg > Tg	ASTM E831	 74.47 156.73	 41.37 87.07
Glass Transition (Tg)	DMA, E"	50 °C	34.088 °F
Hardness, Shore	ASTM D2240	80D	
Water Absorption	ASTM D570	0.39 %	





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