

# Accura® e-Stone™

Epoxy; Epoxide  
3D Systems

## Message:

Accura® e-Stone™ material is compatible with all intraoral and impression scanning systems that output an .stl file to produce accurate, durable models of individual teeth and arches with crisp resolution.

Normal dental lab practices, including drilling, grinding and waxing, can be used with Accura® e-Stone™ material. Due to its high accuracy and repeatability, this material can also be used as a fit-check model for all-digital restorations.

### Applications

- Replacement for dental stone
- Crown and bridge restorations
- Orthodontic working and study models

### Features

- Durable
  - Accurate
  - Selection of color
  - Digital production
- ### Benefits
- Compatible with standard dental lab practices
  - Reduce breakage vs. plaster
  - Decreased steps vs. impression based systems
  - Increased visual detail for better margin viewing
  - Reproducible & archivable for easy remakes

General Information		
Features	Durable	
	Good Surface Finish	
	Pleasing Surface Appearance	
Uses	Dental Applications	
	Modeling Material	
	Mold Making	
	Prototyping	
Appearance	Green	
	Tan	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Physical	Nominal Value	Unit
Density		
-- 1	1.13	g/cm³
-- 2	1.19	g/cm³
Viscosity (30°C)	200 to 300	mPa·s
Critical Exposure	10.5	mJ/cm²
Penetration Depth	106.7	µm

Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	80		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500 to 1750	MPa	ASTM D638
Tensile Strength	37.0 to 39.0	MPa	ASTM D638
Tensile Elongation (Break)	10 to 23	%	ASTM D638
Flexural Modulus	1350 to 1750	MPa	ASTM D790
Flexural Strength	54.0 to 59.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	18 to 25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	58.0 to 63.0	°C	
1.8 MPa, Unannealed	51.0 to 55.0	°C	
Glass Transition Temperature	60.0	°C	DMA
NOTE			
1.	Liquid, 25°C		
2.	Solid, 25°C		

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#### Recommended distributors for this material

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