



Accura[®] e-Stone[™] PEACH

Dental Class
Stereolithography (SLA)

Accurate and durable dental model material with the appearance of traditional dental stone for dental labs.

NEW LEVELS OF SPEED, EFFICIENCY AND PRECISION AT LOWER COST

3D Systems Accura e-Stone PEACH material for SLA is designed to produce durable dental models for individual teeth and arches with crisp resolution, extreme accuracy and repeatability. It has the appearance of traditional dental stone and its high contrast peach color provides improved visualization.

Accura e-Stone models are used in digital dentistry workflows for a range of dental applications, including drilling, grinding and waxing.

APPLICATIONS

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

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 and archivable for easy remakes

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	200-300 cps
Penetration Depth (Dp)		4.2 mils
Critical Exposure (Ec)		10.5 mJ/cm ²
Color		Peach
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm ³ 0.04 lbs/in ³

Printer Compatibility/Packaging:

ProJet [®] 6000/7000 SLA printers:	2L cartridge
ProX [®] 800/950, iPro [™] 8000/9000 SLA printers:	10 kg cartridge
Viper si2 [™] SLA printer:	10 kg standard bottle

FEATURES

- Durable
- Accurate
- High contrast peach color
- Digital production





Accura[®] e-Stone[™] PEACH

Dental Class
Stereolithography (SLA)

Accurate and durable dental model material with the appearance of traditional dental stone for dental labs.

Post-Cured Material

MECHANICAL PROPERTIES		LARGE FRAME SLA PRINTERS		PROJET SLA PRINTERS ¹	
MEASUREMENT	CONDITION	METRIC	U.S.	METRIC	U.S.
Tensile Strength (MPa PSI)	ASTM D 638	37-39	5400-5600	38	5510
Tensile Modulus (MPa KSI)	ASTM D 638	1500-1750	220-250	1630	236
Elongation at Break	ASTM D 638	10-23 %		17 %	
Flexural Strength (MPa PSI)	ASTM D 790	54-59	7800-8500	57	8270
Flexural Modulus (MPa KSI)	ASTM D 790	1350-1750	220-250	1550	225
Impact Strength (J/m Ft-lbs/in)	ASTM D 256	18-25	0.2-0.5	22	0.4
Heat Deflection Temperature @ 0.45 MPa (66 PSI) @ 1.82 MPa (264 PSI)	ASTM D 648	58-63 °C 51-55 °C	136-145 °F 124-131 °F	61 °C 53 °C	142 °F 127 °F
Glass Transition (Tg)	DMA, E''	60 °C	140 °F	60 °C	140 °F
Hardness, Shore D		80		80	
Solid Density (g/cm ³ lbs/in ³)	@ 25 °C (77 °F)	1.19	0.043	1.19	0.043

¹ Accura e-Stone was also previously marketed under the Visijet[®] SL e-Stone name for the ProJet 6000 and 7000 printers



www.3dsystems.com

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

© 2018 by 3D Systems, Inc. All rights reserved. Specifications subject to change without notice. 3D Systems, the 3D Systems logo, ProX, Accura, ProJet and Visijet are registered trademarks of 3D Systems, Inc.