

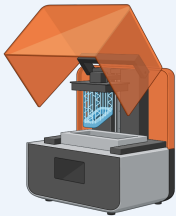
3D-Printable Resins

Elastomeric

Asiga DentaGUM
Formlabs Silicone 40A

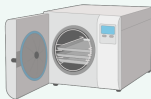
Rigid

Asiga DentaGUIDE
Liqcreate Biomed Clear
Phrozen AquaGray 8K



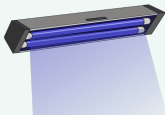
Sterilization Methods

Autoclave

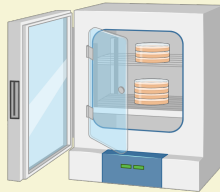


or

70% Ethanol + UV Exposure



Saline Incubation



37 °C



1x PBS

Mechanical Tests



Constitutive Model
Elastic Domain Properties
Failure Characteristics
Cross-Group Comparisons

Results

- Rigid resin elastic and failure properties are significantly impacted by sterilization
- Elastomeric resins more robust to sterilization