

# Silicone and 3D Printing - Jack Fallows

- **Injection or compression molding (Model → Mold → Silicon Injection)**
- **High Viscosity**, cannot be heated and extruded or cured with UV light like photopolymers (ie. acrylic)
- **Silicone 40A Resin (Formlabs)**: 34% rebound resilience (elasticity), high chemical/thermal resistance (-25°C to 125°C), fine features (0.3 mm)
- **Medical Devices**: custom prosthetics, orthopedic implants, and surgical models
- **Automotive**: heat-resistant components like seals and gaskets
- **Consumer Products**: flexible wearables, kitchen tools, and protective cases
- **Benefits**: customization, innovation (rapid prototyping), cost effective

<https://www.youtube.com/watch?v=Z8WEh9eGUF8&t=22s>

<https://formlabs.com/blog/silicone-3d-printing/>

<https://www.voxelmatters.com/formlabs-launches-silicone-40a-pure-silicone-resin/>

