



Resin 3D Printing

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Engineering resins



Durable Resin Similar physical properties to polypropylene (PP) or high-density polyethylene (HDPE), where high elongation, deformation, or impact resistance are required. Durable Resin is the most pliable, impact resistant, and lubricious material in our functional family of Tough and Durable Resins. Choose Durable Resin for squeezable parts and low-friction assemblies.

Durable Resin is ideal for:

- Squeezable prototypes
- Jigs and fixtures undergoing significant impacts
- Low friction assemblies and non-degrading surfaces
- Simulating the strength and stiffness of polyethylene (PE)



Elastic 50A Resin Designed for applications requiring high elongation and high energy return. Use for prototypes that must bend, stretch, compress, and hold up to repeated cycles. Our softest Engineering Resin, this 50A Shore durometer material is suitable for prototyping parts normally produced with silicone. Choose Elastic 50A Resin for parts that will bend, stretch, compress, and hold up to repeated cycles without tearing, and spring back quickly to their original shape.

- Wearables, such as straps
- Stretchable enclosures and casings
- Compressible buttons
- Soft tissue anatomy