



# URETHANE CASTING

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## General process information

<b>MAX. PART SIZE</b>	<ul style="list-style-type: none"><li>• 914.4 x 914.4 x 1828.8 mm</li><li>• 36.0 x 36.0 x 72.0 in</li><li>• Note: Ability to break parts up into multiple segments to create an even larger assembly</li></ul>
<b>MIN. FEATURE SIZE</b>	<ul style="list-style-type: none"><li>• 0.635 mm for features</li><li>• 0.02 in for features</li><li>• 1.016 mm wall thickness</li><li>• 0.040 in wall thickness</li></ul>
<b>BEST ACHIEVABLE TOLERANCE</b>	<ul style="list-style-type: none"><li>• 0.005 in (0.127 mm) for first inch, 0.003 in (0.0762 mm) per lineal inch after the first one</li></ul>
<b>LEAD TIME</b>	<ul style="list-style-type: none"><li>• As low as 3 days to first shot depending on part geometrys (FA)</li><li>• After FA approval, as low as 2 weeks for remaining parts</li></ul>

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## Shore D materials

### STANDARD

- ABS-like (80D)
- PE-like (65D)
- PC-like (84D)
- PP-like (70D)

### HIGH PERFORMANCE

- Nylon-Delrin like (84D)
- ABS-High Impact (78D)
- High Impact FR (UL-94V0) (85D)
- Hi Temp (84D)
- 12 Sec burn (78D)

### FDA

- ABS-like (80D)
- ABS-High Strength (85D)
- Hi Impact Class VI (85D)

### CLEAR

- Optical Clear (80D, water clear)
- PC-like (84D, haze/pale yellow)

## Finishing / post-processing options

### PART FINISHES

- Smooth
- Satin
- Glossy / polish
- Custom finishing available

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## Shore A materials

### ELASTOMERS

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- Standard elastomers (15A-94A)
- High performance elastomers (15A-90A)

### CLEAR ELASTOMERS

- Clear elastomer (45A, water clear)
- Clear elastomer (65A, water clear)
- Clear elastomer (70A, water clear)
- Clear elastomer (90A, water clear)

### SILICONES

- 15A
- 25A
- 35A
- 40A
- 42A
- 50A
- 53A
- 60A
- 75A

### MEDICAL SILICONES

- 38A

## Finishing / post-processing options

### PART FINISHES

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- Smooth
- Satin
- Glossy / polish
- Custom finishing available