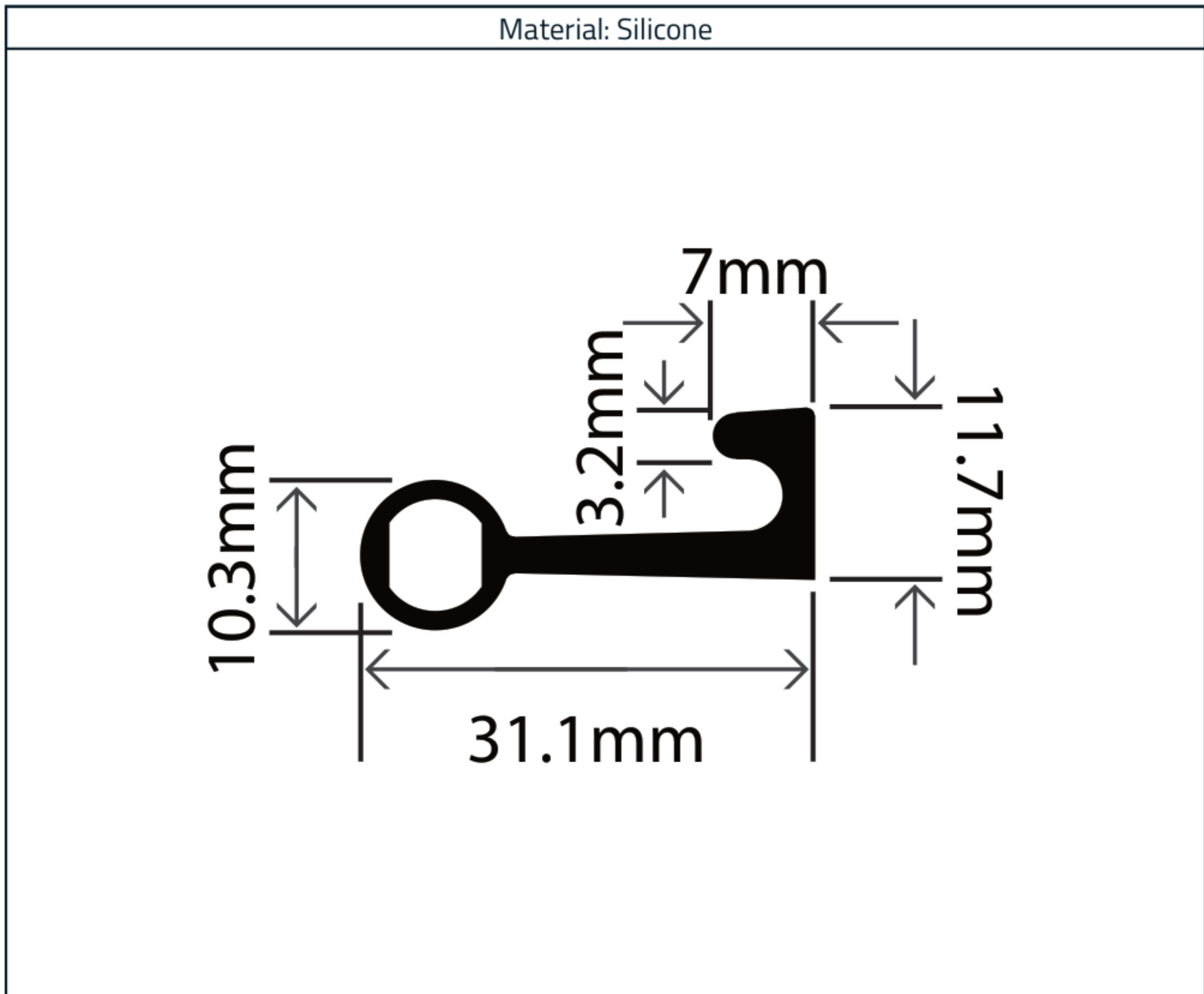


Hollow Silicone P Profile 31.1mm x 11.7mm

Product Code: RCSP31.1X11.7SR



Measurements:

| Height | Width |
|--------|--------|
| 11.7mm | 31.1mm |

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Technical Data

This profile can be manufactured from a variety of general purpose silicone rubber grades as standard. All of the available grades feature excellent stability and physical properties. This profile can be supplied either pigmented or transparent.

Temperature Range (Working)

-65°C to +200°C

Material Specification - 40° Shore

| Properties | Tested Method | Values |
|--------------------------------|---------------|------------------------|
| Polymer | - | Silicone |
| Hardness (Shore A) | DIN 53505 | 40° +/- 5° |
| Density (Specific Gravity) | DIN 53 479A | 1.12 g/cm ³ |
| Tensile Strength | DIN 53504-SI | 9.3 N/mm ² |
| Elongation at Break | DIN 53504-SI | 570% |
| Tear Resistance | ASTM D 624 B | 16 N/mm |
| Impact Resistance | DIN 53512 | 57% |
| Compression Set (22rs @ 175°C) | DIN 53517 | 35% |

Material Specification - 50° Shore

| Properties | Tested Method | Values |
|--------------------------------|---------------|------------------------|
| Polymer | - | Silicone |
| Hardness (Shore A) | DIN 53505 | 50° +/- 5° |
| Density (Specific Gravity) | DIN 53 479A | 1.14 g/cm ³ |
| Tensile Strength | DIN 53504-SI | 10.4 N/mm ² |
| Elongation at Break | DIN 53504-SI | 500% |
| Tear Resistance | ASTM D 624 B | 21 N/mm |
| Impact Resistance | DIN 53512 | 54% |
| Compression Set (22rs @ 175°C) | DIN 53517 | 35% |

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Material Specification - 60° Shore

| Properties | Tested Method | Values |
|--------------------------------|---------------|------------------------|
| Polymer | - | Silicone |
| Hardness (Shore A) | DIN 53505 | 60° +/- 5° |
| Density (Specific Gravity) | DIN 53 479A | 1.15 g/cm ³ |
| Tensile Strength | DIN 53504-SI | 10.4 N/mm ² |
| Elongation at Break | DIN 53504-SI | 470% |
| Tear Resistance | ASTM D 624 B | 21 N/mm |
| Impact Resistance | DIN 53512 | 58% |
| Compression Set (22rs @ 175°C) | DIN 53517 | 35% |

Material Specification - 70° Shore

| Properties | Tested Method | Values |
|--------------------------------|---------------|------------------------|
| Polymer | - | Silicone |
| Hardness (Shore A) | DIN 53505 | 70° +/- 5° |
| Density (Specific Gravity) | DIN 53 479A | 1.17 g/cm ³ |
| Tensile Strength | DIN 53504-SI | 10.7 N/mm ² |
| Elongation at Break | DIN 53504-SI | 440% |
| Tear Resistance | ASTM D 624 B | 22 N/mm |
| Impact Resistance | DIN 53512 | 56% |
| Compression Set (22rs @ 175°C) | DIN 53517 | 35% |

Material Specification - 80° Shore

| Properties | Tested Method | Values |
|--------------------------------|---------------|------------------------|
| Polymer | - | Silicone |
| Hardness (Shore A) | DIN 53505 | 80° +/- 5° |
| Density (Specific Gravity) | DIN 53 479A | 1.19 g/cm ³ |
| Tensile Strength | DIN 53504-SI | 9.6 N/mm ² |
| Elongation at Break | DIN 53504-SI | 350% |
| Tear Resistance | ASTM D 624 B | 21 N/mm |
| Impact Resistance | DIN 53512 | 54% |
| Compression Set (22rs @ 175°C) | DIN 53517 | 40% |

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