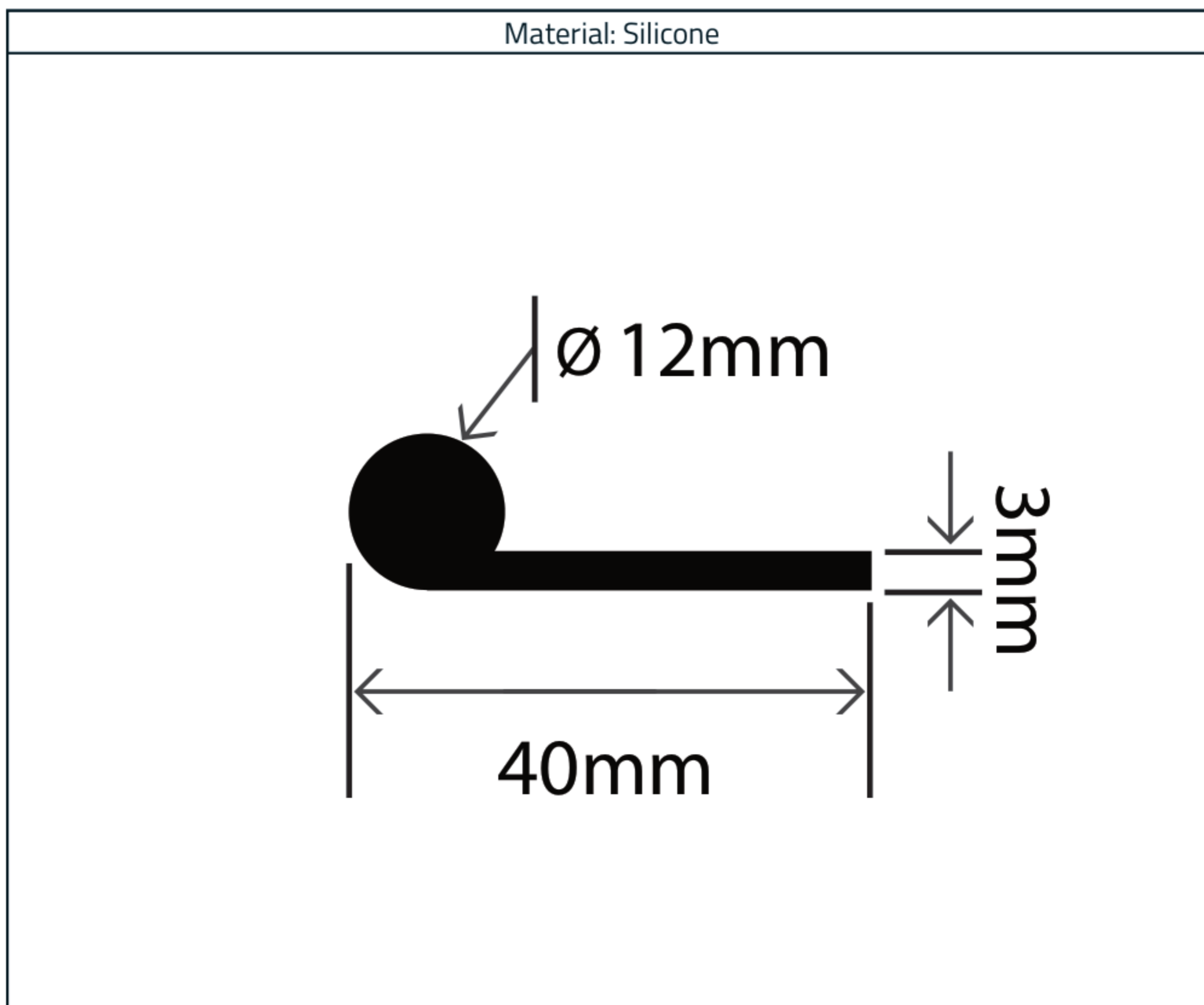


## Solid Silicone P Profile 40mm x 12mm

Product Code: RCSP40X3SR



### Measurements:

Height	Width
12mm	40mm

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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 <sup>3</sup>
Tensile Strength	DIN 53504-SI	9.3 N/mm <sup>2</sup>
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 <sup>3</sup>
Tensile Strength	DIN 53504-SI	10.4 N/mm <sup>2</sup>
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 <sup>3</sup>
Tensile Strength	DIN 53504-SI	10.4 N/mm <sup>2</sup>
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 <sup>3</sup>
Tensile Strength	DIN 53504-SI	10.7 N/mm <sup>2</sup>
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 <sup>3</sup>
Tensile Strength	DIN 53504-SI	9.6 N/mm <sup>2</sup>
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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