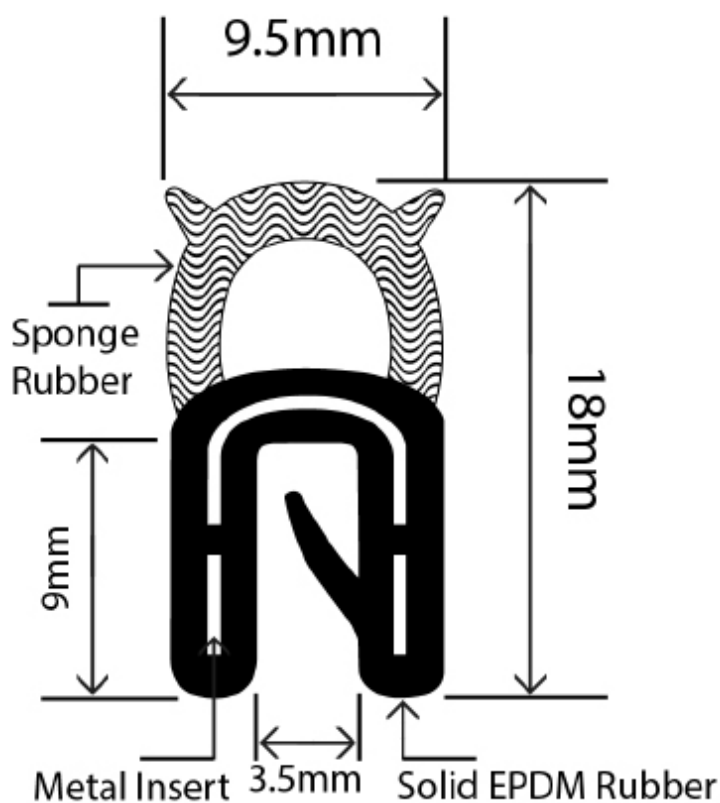


## Self Grip Top Seal 9.5mm x 18mm

Product Code: RCTS9.5X18L

Material: Solid EPDM, Sponge EPDM, Metal



### Measurements:

| Height | Width | To Fit Panel |
|--------|-------|--------------|
| 18mm   | 9.5mm | 0.8mm - 2mm  |

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## Material Specification - Solid Rubber Body

Our self grip top seal profiles are manufactured using a combination of solid rubber and sponge rubber with a metal carrier. These profiles provide dual functionality; they provide a sealing function while also covering sharp or unfinished edges. The hollow sponge rubber sections are extremely flexible and are suitable for sealing doors, hatches and numerous other applications.

## Recommended Compression

The compression of our top seal profiles should not exceed a maximum of 50%, as otherwise the compactness and the restoring force are affected. In practice, the profile should ideally be compressed between 30-40%.

## Material Specification - Solid Rubber Body

| Properties                                                                       | Test Method      | Values                      |
|----------------------------------------------------------------------------------|------------------|-----------------------------|
| Polymer                                                                          | -                | EPDM                        |
| Hardness (Shore A)                                                               | ASTM D2240       | 80° +/- 5°                  |
| Tensile Strength                                                                 | ASTM D412        | 80 kg/cm <sup>2</sup> (min) |
| Tear Resistance                                                                  | ASTM D624        | 3 kg/mm (min)               |
| Brittle Point                                                                    | ASTM D746        | -40°C                       |
| <b>Air Ageing (70hrs @ 70°C)</b>                                                 |                  |                             |
| Compression Set                                                                  | ASTM D395 Type B | 40% (max)                   |
| Change in Shore Hardness                                                         | -                | +2°                         |
| Change in Tensile Strength                                                       | -                | +15%                        |
| Ozone Resistance (70hrs @ 50°C, 50 pphm ozone concentration with 20% elongation) | ASTM D1149       | No cracks                   |

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## Material Specification - Sponge Rubber Seal

| Properties                                                                       | Test Method | Values                      |
|----------------------------------------------------------------------------------|-------------|-----------------------------|
| Polymer                                                                          | -           | EPDM                        |
| Volume Mass (Indicative)                                                         | -           | 550 - 600 g/cm <sup>3</sup> |
| Brittle Point                                                                    | ASTM D746   | -40°C                       |
| Ozone Resistance (70hrs @ 50°C, 50 pphm ozone concentration with 50% elongation) | ASTM D1149  | No cracks                   |
| Water Absorption (22hrs @ 23°C)                                                  | ASTM D1056  | 1.2% (max)                  |
| Tensile Strength                                                                 | ASTM D412   | 7 - 10 kg/cm <sup>2</sup>   |
| Tear Resistance                                                                  | ASTM D624   | 0.6 / 0.8 kg/mm             |

## Material Specification - Metal Carrier

| Properties                  | Test Method | Values                      |
|-----------------------------|-------------|-----------------------------|
| H.R.B (Rockwell Hardness)   | -           | 80 - 90                     |
| Tensile Strength            | -           | 50 kg/mm <sup>2</sup> (min) |
| Type: Fe 50 – UNI 5961 – 67 |             |                             |

## Profile Properties

| Properties                                                                                     | Test Method | Values                       |
|------------------------------------------------------------------------------------------------|-------------|------------------------------|
| Compression Set (7 days @ 70°C)                                                                | ASTM D1056  | 50% (max)                    |
| Stain of the Material in Contact with Organic Finished<br>- Migration Stain<br>- Contact Stain | ASTM D925   | Satisfactory<br>Satisfactory |
| Colour Fastness                                                                                | ASTM D750   | Satisfactory                 |
| Operating Temperature Range                                                                    | -           | -40°C to +80°C               |



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