



# EPDM Sponge Cord

Ethylene Propylene Diene Monomer

EPDM Sponge cord has an excellent resistance to weathering and ozone, water and steam, with good performance in castor and some phosphate ester-based fluids. It's low and high temperature capability is good.

RS Components EPDM sponge can be compressed by almost 90% of its original profile, these flexible properties allow the cord to be compressed into floorboards and gaps much smaller than its original form by stretching it during the installation process.

*Colour: Black*

*Operating temperature range: -40°C to 100°C*

*Please see page 2 onwards for sizes.*

| Physical Property                        | Test Method     | Units             | Typical Values   |
|--|-----------------|-------------------|------------------|
| Hardness                                 | ASTM D 2240     | ShA               | 15               |
| Tensile Strength                         | ISO 37 – TIPO 1 | N/mm <sup>2</sup> | 2.3              |
| Elongation at Break                      | ISO 37 – TIPO 1 | %                 | 388              |
| Specific Gravity                         | ISO 2781 A      | g/cm <sup>3</sup> | 0.536            |
| Compression Set 22h / 230°C              | ISO 815 A       | %                 | 24               |
| Tear Resistance                          | ISO 34-1 C      | N/mm              | 13.4             |
| Low-Temperature Flexibility (5h at 40°C) | -               | -                 | No Cracks - Pass |

| Aging Property | Test Method | Time (h) | Temperature (°C) | Hardness | Tensile Strength (%) | Elongation at Break (%) | Volume (%) | Weight (%) |
|----------------|-------------|----------|------------------|----------|----------------------|-------------------------|------------|------------|
| Air            | ISO 188 B   | 70       | 70               | +11      | +26                  | -43                     | -0.4       | -0.3       |
| Air            | ISO 188 B   | 70       | 100              | +10      | -13                  | -64                     | -1         | -1         |

**Chemical resistance:**

- Many organic and inorganic acids and alkalis
- Phosphate-ester based hydraulic fluids (HFD-R)
- Silicone oil and grease
- Many polar solvents (alcohols, ketones, esters)
- Ozone, aging and weather resistant

**Not compatible with:**

- Mineral oil products (oils, greases and fuels)

| MPN     | Description                     | Length (m) | Diameter (mm) | Tolerance (mm) |
|---------|---------------------------------|------------|---------------|----------------|
| 2309661 | EPDM sponge cord, 2mm diameter  | 10         | 2             | ±0.50          |
| 2309662 | EPDM sponge cord, 3mm diameter  | 10         | 3             | ±0.70          |
| 2309663 | EPDM sponge cord, 4mm diameter  | 10         | 4             | ±0.70          |
| 2309664 | EPDM sponge cord, 5mm diameter  | 10         | 5             | ±0.80          |
| 2309665 | EPDM sponge cord, 6mm diameter  | 10         | 6             | ±0.80          |
| 2309666 | EPDM sponge cord, 7mm diameter  | 10         | 7             | ±1.00          |
| 2309667 | EPDM sponge cord, 8mm diameter  | 10         | 8             | ±1.00          |
| 2309668 | EPDM sponge cord, 10mm diameter | 10         | 10            | ±1.00          |
| 2309669 | EPDM sponge cord, 15mm diameter | 5          | 15            | ±1.30          |
| 2309670 | EPDM sponge cord, 17mm diameter | 5          | 17            | ±1.60          |
| 2309671 | EPDM sponge cord, 20mm diameter | 5          | 20            | ±1.60          |
| 2309672 | EPDM sponge cord, 25mm diameter | 2          | 25            | ±1.60          |