

# Black Closed Cell Neoprene Sponge Material Datasheet

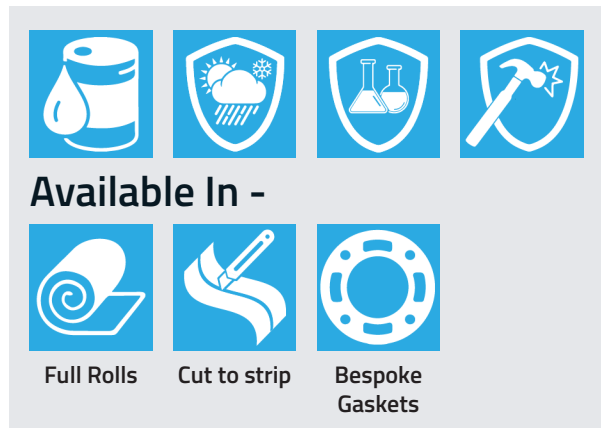
Product Code: RC02100-1720

S.C. REF: TRC06

## Material Description

Our neoprene sponge rubber is a high quality, closed cell material that combines high durability with excellent versatility. Neoprene sponge provides great UV and Ozone resistance for use in exterior environments. It is also chemically stable and provides good oil resistance, making the material ideal for use in automotive and industrial sealing applications.

## Technical Specification



Properties	Test Method	Values
Product	-	Closed Cell Neoprene Sponge
Compound	-	CR
ASTM D1056-14 Classification	2C2 B3 M	-
Hardness (Shore OO)	-	40° - 50°
Density	ASTM D3575	140 - 190 Kg/m <sup>3</sup>
Tensile Strength	ASTM D412	500 - 550 kPa
Elongation at Break	ASTM D412	180 - 220%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	2 - 5%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	15 - 35%
Compression Deflection (25%)	ASTM D1056	35 - 60 kPa
Compression Deflection (50%)	ASTM D1056	70 - 120 kPa
Shrinkage (22hrs @ 70°C)	ASTM D573	4 - 8%
Temperature Range (Constant)	-	-40°C to +75°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1 - 2%
Flame Resistance (>3mm)	FMVSS302	Pass
Environmental Protection	-	CFC & HCFC FREE

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

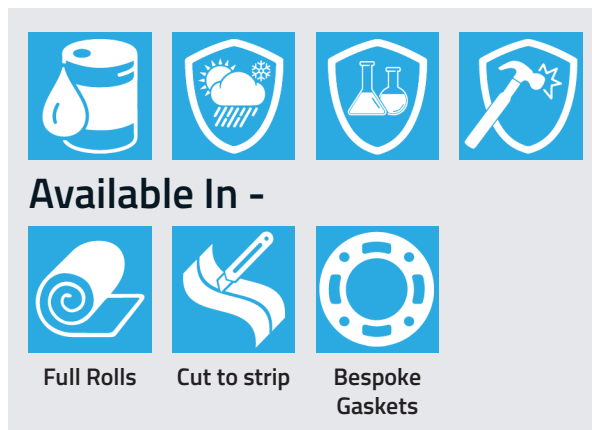
# Black Closed Cell Neoprene Sponge Material Datasheet

Product Code: RC02100-1410

## Material Description

Our neoprene sponge rubber is a high quality, closed cell material that combines high durability with excellent versatility. Neoprene sponge provides great UV and Ozone resistance for use in exterior environments. It is also chemically stable and provides good oil resistance, making the material ideal for use in automotive and industrial sealing applications.

## Technical Specification



Properties	Test Method	Values
Product	-	Closed Cell Neoprene Sponge
Compound	-	CR
ASTM D1056-14 Classification	2C1 B3 M	-
Hardness (Shore OO)	-	40° - 45°
Density	ASTM D3575	115 - 155 Kg/m <sup>3</sup>
Tensile Strength	ASTM D412	480 - 530 kPa
Elongation at Break	ASTM D412	180 - 220%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	2 - 4%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	15 - 35%
Compression Deflection (25%)	ASTM D1056	20 - 40 kPa
Compression Deflection (50%)	ASTM D1056	50 - 70 kPa
Shrinkage (22hrs @ 70°C)	ASTM D573	8 - 12%
Temperature Range (Constant)	-	-40°C to +75°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1 - 3%
Flame Resistance (>3mm)	FMVSS302	Pass
Environmental Protection	-	CFC & HCFC FREE

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## Black Closed Cell Neoprene Sponge Material Datasheet

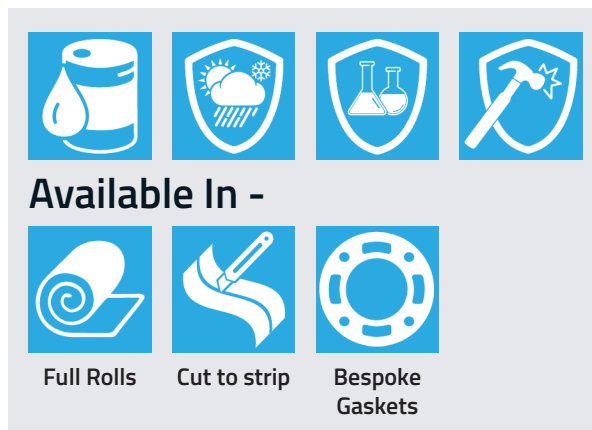
Product Code: RC02100-1735

S.C. REF: TRC07

### Material Description

Our neoprene sponge rubber is a high quality, closed cell material that combines high durability with excellent versatility. Neoprene sponge provides great UV and Ozone resistance for use in exterior environments. It is also chemically stable and provides good oil resistance, making the material ideal for use in automotive and industrial sealing applications.

### Technical Specification



Properties	Test Method	Values
Product	-	Closed Cell Neoprene Sponge
Compound	-	CR
ASTM D1056-14 Classification	2C3 B2 M	-
Hardness (Shore OO)	-	50° - 60°
Density	ASTM D3575	150 - 200 Kg/m <sup>3</sup>
Tensile Strength	ASTM D412	680 - 750 kPa
Elongation at Break	ASTM D412	150 - 200%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	1 - 3%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	8 - 15%
Compression Deflection (25%)	ASTM D1056	60 - 90 kPa
Compression Deflection (50%)	ASTM D1056	100 - 130 kPa
Shrinkage (22hrs @ 70°C)	ASTM D573	3 - 7%
Temperature Range (Constant)	-	-40°C to +80°C
Temperature Range (Intermittent)	-	+100°C
Water absorption (Max Weight Change)	ASTM D1056	1 - 2%
Flame Resistance (>3mm)	FMVSS302	Pass
Environmental Protection	-	CFC & HCFC FREE

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