

# Flame Retardant Close Cell Neoprene Sponge Datasheet

Product Code: RC02118-1620 S.C. REF: TRC08

## Material Description

Our flame retardant neoprene sponge is an excellent closed-cell, general-purpose material. Aside from offering good weathering and physical resistance it also provides fire, oil and chemical resistance. This makes the material perfectly suited for use in a variety of applications where a risk of fire is present.



### Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

## Technical Specification

Properties	Test Method	Values
Product	-	Flame Retardant Neoprene Sponge
Compound	-	CR
ASTM D1056-14 Classification	2C2 B3 M	-
Hardness (Shore OO)	-	40° - 50°
Density	ASTM D3575	130 - 170 Kg/m <sup>3</sup>
Tensile Strength	ASTM D412	530 - 600 kPa
Elongation at Break	ASTM D412	150 - 200%
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	5 - 10%
Temperature Range (Constant)	-	-40°C to +80°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1 - 2%
Flame Resistance (>3mm)	FMVSS302	Pass
Flame Resistance (>3mm)	UL94-HF1	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.