

## Orange Open Cell Sponge Material Datasheet

Product Code: RC02113

### Product Description

This product is designed to be as absorbent as possible, while the open cell sponge structure helps the material to hold any potential liquid within it. This feature is particularly important in packaging applications as it helps to prevent damage or spillages from affecting other objects protected by the sponge sheets.



Available In -



Full Rolls



Cut to strip



Bespoke  
Gaskets

### Technical Specification - RC160M

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Soft
Cell Structure	Medium Pore
Tensile Strength	Approx. 0.23 N/mm <sup>2</sup>
Elongation at Break	Approx. 480%
Continued Tensile Strength	Approx. 1.2 N/mm
Compressive Strength	Approx. 4.8 kPa
Abrasion Resistance	Good
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 484 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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### Technical Specification - RC200M

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Medium
Cell Structure	Medium Pore
Tensile Strength	Approx. 0.30 N/mm <sup>2</sup>
Elongation at Break	Approx. 817%
Continued Tensile Strength	Approx. 1.4 N/mm
Compressive Strength	Approx. 6.7 kPa
Abrasion Resistance	Satisfactory
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 407 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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Available In -



Full Rolls



Cut to strip



Bespoke  
Gaskets

### Technical Specification - RC200F

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Medium
Cell Structure	Fine Pore
Tensile Strength	Approx. 0.22 N/mm <sup>2</sup>
Elongation at Break	Approx. 495%
Continued Tensile Strength	Approx. 1.1 N/mm
Compressive Strength	Approx. 8.3 kPa
Abrasion Resistance	Good
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 485 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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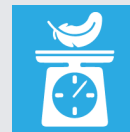
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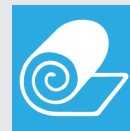
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**Available In -**



Full Rolls



Cut to strip



Bespoke  
Gaskets

### Technical Specification - RC250F

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Firm
Cell Structure	Fine Pore
Tensile Strength	Approx. 0.33 N/mm <sup>2</sup>
Elongation at Break	Approx. 460%
Continued Tensile Strength	Approx. 1.5 N/mm
Compressive Strength	Approx. 25 kPa
Abrasion Resistance	Good
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 140 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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Available In -



Full Rolls



Cut to strip



Bespoke  
Gaskets

### Technical Specification - RC300F

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Very Firm
Cell Structure	Fine Pore
Tensile Strength	Approx. 0.54 N/mm <sup>2</sup>
Elongation at Break	Approx. 480%
Continued Tensile Strength	Approx. 2.5 N/mm
Compressive Strength	Approx. 31 kPa
Abrasion Resistance	Good
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 37 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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**Available In -**



Full Rolls



Cut to strip



Bespoke  
Gaskets

### Technical Specification - RC350F

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Hard
Cell Structure	Fine Pore
Tensile Strength	Approx. 0.33 N/mm <sup>2</sup>
Elongation at Break	Approx. 455%
Continued Tensile Strength	Approx. 1.5 N/mm
Compressive Strength	Approx. 25 kPa
Abrasion Resistance	Satisfactory
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 135 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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**Available In -**



Full Rolls



Cut to strip



Bespoke  
Gaskets

### Technical Specification - RC600F

Properties	Values
Elastomer Basis	Natural Rubber (NR)
Material Hardness	Very Hard
Cell Structure	Fine Pore
Tensile Strength	Approx. 1.2 N/mm <sup>2</sup>
Elongation at Break	Approx. 460%
Continued Tensile Strength	Approx. 3.4 N/mm
Compressive Strength	Approx. 138 kPa
Abrasion Resistance	Good
Cold Resistance (-40°C)	Requirements fulfilled
Heat Resistance	Up to 60 - 70°C
Water Absorption	Approx. 3 weight %
Ozone Resistance	Not resistant
Flammability	Highly flammable, burns with sooting
Stability	Not resistant towards acids, alkalis, oils and fats and solvents. In doubt please contact us



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## Closed Cell EPDM/Natural Sponge Material Datasheet

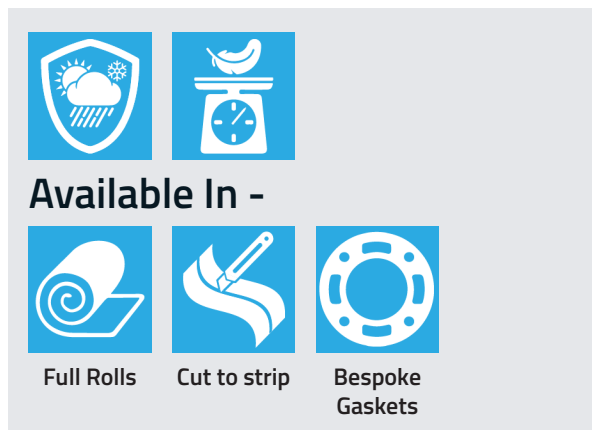
Product Code: RC02114-43

S.C. REF: TRC04

### Material Description

Our epdm natural rubber sponge blend is a premium-quality, high-density, closed cell material. It combines the excellent resistance of EPDM with the physical characteristics found in natural rubber. This results in a material that is not only highly versatile, but also highly durable. The closed cell structure enables this material to create an air and watertight seal.

### Technical Specification



Properties	Test Method	Values
Product	-	Closed Cell Sponge Rubber
Compound	-	EPDM/NR
ASTM D1056-14 Classification	2A3 B2 M	-
Hardness (Shore OO)	-	50° -60°
Density	ASTM D3575	270-330 kg/m <sup>3</sup>
Tensile Strength	ASTM D412	850-1050 kPa
Elongation at Break	ASTM D412	180-250%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	4-8%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	8-15%
Compression Deflection (25%)	ASTM D1056	60-90 kPa
Compression Deflection (50%)	ASTM D1056	100-150 kPa
Shrinkage (22hrs @ 70°C)	ASTM D573	8-12%
Temperature Range (Constant)	-	-30°C to +100°C
Temperature Range (Intermittent)	-	110°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2%
Flame Resistance (>3mm)	FMVSS302	Pass
Environmental Protection	-	CFC & HCFC Free

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## Open Cell Industrial Sponge Material Datasheet

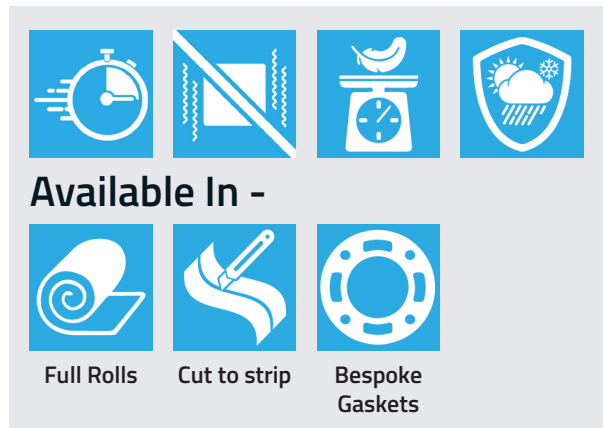
Product Code: RC02125-330

S.C. REF: TRC09

### Product Description

Our open cell industrial sponge is a high quality, natural rubber sponge material. The open cell structure provides this particular material with excellent compression recovery properties. It also enables our industrial sponge to form a seal around uneven or complex shapes. The interconnected cell structure also provides the material with good anti-vibration properties.

### Technical Specification



Properties	Values
ASTM Spec (D1056-85)	ASTM 1056 R012 1A2
Polymer	Natural Rubber (NR)
Density	380 ± 10% Kg/m <sup>3</sup>
Tensile Strength	280 kpa
Elongation at Break	250%
Compression Set (50% Deflection @ 70°C)	15% max
Compression Deflection (25%)	5-10 PSI
Accelerated Ageing (Change in Compression Deflection at 70°C)	±20%
Minimum Temperature	-40°C
Maximum Temperature	+80°C
Finish	Cloth Finish with Chalk Coating



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## Grey Open Cell Natural Rubber Sponge Datasheet

Product Code: RC02231

### Product Description

Durable and versatile, this high-density open-cell natural rubber sponge is well-suited for a wide range of challenging uses.



Available In -



Full Rolls

Cut to strip

### Technical Specification

Property	Test Method	Value
Density (average) lb/ft <sup>3</sup>	ASTM 01056	20 ± 20% (320 kg/m <sup>3</sup> )
Thickness, mm	ASTM 01056	2.0 (± 0.50) 3.0 (± 0.60) 5.0 (± 0.70) 7.0 (± 0.80) 12.0-15.0 (± 1.00) 20.0-25.0 (± 1.30)
Standard Colour		Grey
Polymer		Natural Rubber
Compression Force Deflection, psi	ASTM 01056 @ 25% Compression	2 - 6
Accelerated Ageing %	ASTM 0573 Change in compression deflection 168 hr at 158°F (70°C)	±20
Nominal Sheet Size, mm		1829 ± 60 914 ± 60
Finish		Skin / Skin
Resistance	Oil	None



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