

# 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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**Available In -**

- Full Rolls
- Cut to strip
- Bespoke Gaskets

## 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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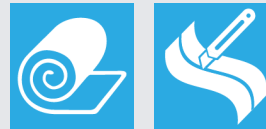
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Available In -



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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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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