



# STANDARD RANGE OF COMMERCIAL RUBBER SHEETING

## Commercial Natural Rubber Ref: 263C

This good quality commercial grade is black in colour and is particularly suited for service with hot and cold water, ethylene glycol, dilute acids and alkalis.

## Commercial Tan Shotblast Natural Rubber Ref: 261C

A popular material for those applications necessitating a rubber with good abrasion resisting properties. Tan in colour, this soft grade can also be used as a gasketing material for a variety of applications, including dilute acids and alkalis.

## Commercial White Food Quality Natural Rubber Ref: 259C

Suitable for similar duties to natural rubber reference 263C, but white in colour and compounded especially to meet the needs of the food and beverage industries.

## Commercial Natural Insertion Rubber Ref: 332C

Similar in quality to grade 263C but with an insertion of polyester fabric to give additional strength and restrict spread under compression. Thicknesses up to and including 3mm have a single ply of polyester reinforcement, thicknesses 3mm and above have 2 ply reinforcement.

## Commercial Neoprene® Rubber Ref: 264C

This grade of polychloroprene synthetic rubber is a popular choice for many applications since it has good resistance to mineral based oils and greases, dilute acids and alkalis. A feature of Neoprene is its good resistance to atmospheric ageing and sunlight.

## Commercial Neoprene® Insertion Rubber Ref: 283C

Similar in many respects to material Ref: 264C in that it is suitable for like duties. Thicknesses up to and including 3mm have a single ply of polyester fabric reinforcement, thicknesses 3mm and above have 2 ply reinforcement.

## Commercial Nitrile Rubber Ref: 269C

Based on a Butadiene - Acrylonitrile co polymer, Ref 269C material is a medium nitrile grade designed principally for service with mineral oils, water and some solvents.

## Commercial White Food Quality Nitrile Rubber Ref: 260C

Developed to meet the needs of the food and beverage industries, this grade offers good resistance to vegetable and animal oils and fats. It has a higher maximum working temperature than its natural rubber counterpart.

## Commercial Ethylene Propylene (EPDM) Rubber Ref: 280C

This is a WBS (Water Byelaws Scheme) listed grade No. 9204506 and as such may be used in all applications involving cold potable water, whether industrial or domestic. Widely used within the water industry, the material also has good resistance to acids and to animal and vegetable oils, and possesses excellent weathering properties.

## Commercial Red Silicone Rubber Ref: 328C

Most silicone grades are noted for their wide operational temperature range and grade 328C, which is a distinctive red colour is no exception. Other features include good resistance to ozone and compression set together with very good electrical insulation properties. Available only in 1m wide sheets and rolls.

| Nominal Hardness I.R.H.D. | Temperature Range °C                                  | Type of Finish |
|---------------------------|---|----------------|
| 70°                       | -30 to +80  | SMOOTH         |
| 40°                       | -30 to +70  | SMOOTH         |
| 60°                       | -30 to +80  | SMOOTH         |
| 65°                       | -30 to +80  | CLOTH          |
| 60°                       | -20 to +100   | SMOOTH         |
| 60°                       | -20 to +100   | SMOOTH         |
| 65°                       | -20 to +110   | SMOOTH         |
| 60°                       | -20 to +110   | SMOOTH         |
| 60°                       | -40 to +130   | CLOTH          |
| 60°                       | -55 to +175 continuous up to +200 in intermittent use | CLOTH          |

## Commercial White Silicone Rubber Ref: 284C

Similar in most respects to grade 328C but white in colour and with a smooth finish.

## Commercial Fluorocarbon Rubber Ref: FR99

This is a good commercial grade fluorocarbon material, suitable for a wide range of applications. Good resistance to mineral oils, fuels and non-polar solvents including high aromatic and chlorinated types, is a feature.

| Nominal Hardness I.R.H.D. | Temperature Range °C                                 | Type of Finish |
|---------------------------|--|----------------|
| 60°                       | -55 to +155 continuous up to 200 in intermittent use | SMOOTH         |
| 70°                       | -20 to 200 continuous up to 230 in intermittent use  | CLOTH          |

## Compatibility Guide for Commercial Grade Rubber Sheeting

|                             | Natural Ref: 263C | Natural FQ Ref: 259C | Shotblast Ref: 261C | Insertion Ref: 332C | Neoprene® Ref: 264C | Insertion Ref: 283C | EPDM Ref: 280C | Red Silicone Ref: 328C | White Silicone Ref: 284C | Nitrile Ref: 269C | Nitrile FQ Ref: 260C | Fluorocarbon Ref: FR99 |
|-----------------------------|-------------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------|------------------------|--------------------------|-------------------|----------------------|------------------------|
| AIR                         | G                 | G                    | G                   | G                   | G                   | G                   | G              | VG                     | VG                       | G                 | G                    | VG                     |
| WATER                       | VG                | VG                   | VG                  | VG                  | G                   | G                   | VG             | VG                     | VG                       | VG                | VG                   | G                      |
| WATER(POTABLE)              | NR                | NR                   | NR                  | NR                  | NR                  | NR                  | NR             | NR                     | NR                       | NR                | NR                   | NR                     |
| LOWER ALCOHOLS              | VG                | VG                   | VG                  | VG                  | VG                  | VG                  | VG             | VG                     | VG                       | VG                | VG                   | G*                     |
| DILUTE ACIDS & ALKALIS      | G                 | G                    | G                   | G                   | G                   | G                   | VG             | F                      | F                        | G                 | G                    | VG                     |
| PETROL                      | NR                | NR                   | NR                  | NR                  | NR                  | NR                  | NR             | NR                     | NR                       | G                 | G                    | VG                     |
| FUEL & DIESEL OIL           | NR                | NR                   | NR                  | NR                  | F                   | F                   | NR             | NR                     | NR                       | G                 | G                    | VG                     |
| LUB OIL (MINERAL)           | NR                | NR                   | NR                  | NR                  | G                   | G                   | NR             | NR                     | NR                       | VG                | VG                   | VG                     |
| LUB OIL (SYNTHETIC)         | NR                | NR                   | NR                  | NR                  | NR                  | NR                  | NR             | NR                     | F                        | F                 | F                    | VG                     |
| HYDRAULIC OIL (MINERAL)     | NR                | NR                   | NR                  | NR                  | G                   | G                   | NR             | NR                     | NR                       | VG                | VG                   | VG                     |
| WATER/GLYCOL                | F                 | F                    | F                   | F                   | F                   | F                   | VG             | G                      | G                        | G                 | G                    | G                      |
| WATER/OIL EMULSION          | NR                | NR                   | NR                  | NR                  | NR                  | NR                  | NR             | NR                     | NR                       | F                 | F                    | VG                     |
| PHOSPHATE ESTER (ALIPHATIC) | NR                | NR                   | NR                  | NR                  | NR                  | NR                  | G              | NR                     | NR                       | NR                | NR                   | NR                     |
| " " (AROMATIC)              | NR                | NR                   | NR                  | NR                  | NR                  | NR                  | NR             | NR                     | NR                       | NR                | NR                   | G                      |
| FOODSTUFFS                  | NR                | VG                   | NR                  | NR                  | NR                  | NR                  | NR             | NR                     | NR                       | NR                | VG                   | NR                     |

VG - VERY GOOD  
G - GOOD  
F - FAIR  
NR - NOT RECOMMENDED

**NOTE:** THE RECOMMENDATIONS REFERRED TO IN THE ABOVE CHART ARE INTENDED ONLY AS A GUIDE. THEY MAY BE INFLUENCED BY FACTORS SUCH AS TEMPERATURE AND PRESSURE. LOCATED AT OUR COCKERMOUTH WORKS (Phone: 0900 823555 or Fax: 0900 828129) JOINT CUTTING SERVICES MAY BE CONTACTED SHOULD FURTHER ADVICE OR ASSISTANCE BE REQUIRED.

## How Supplied (Thicknesses marked thus\* available only in 5m rolls)

### Commercial Natural Ref: 263C

Thickness supplied 1.5mm, 3mm, 5mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Tan Shotblast Ref: 261C

Thickness supplied 3mm, 5mm, 6mm\*, 10mm\*, 12mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial White (F.Q.) Natural Ref: 259C

Thickness supplied 1.5mm, 3mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Natural Insertion Ref: 332C

Thickness supplied 1.5mm, 2mm, 3mm, 5mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Neoprene® Ref: 264C

Thickness supplied 1.5mm, 2mm, 3mm, 5mm, 6mm\*.  
10mm\*, 12mm\*, 16mm\*, 25mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Neoprene® Insertion Ref: 283C

Thickness supplied 1.5mm, 3mm, 5mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Nitrile Ref: 269C

Thickness supplied 1.5mm, 3mm, 5mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial White (FQ) Nitrile Ref: 260C

Thickness supplied 1.5mm, 3mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial E.P. (WBS) Ref: 280C

Thickness supplied 3mm, 5mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Silicone (Red) Ref: 328C

Thickness supplied 1.5mm, 3mm, 6mm\*.  
Sheet size 1.2m x 1m.  
Rolls 10m x 1m, 5m x 1m lengths.

### Commercial Silicone (White) Ref: 284C

Thickness supplied 1.5mm, 3mm, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

### Commercial Fluorocarbon Ref: FR 99

Thickness supplied 1.5mm, 3mm, 5mm\*, 6mm\*.  
Sheet sizes 1.2m x 1m, 1.2m x 1.2m.  
Rolls 10m, 5m lengths x 1.2m wide.

An extensive range of other commercial rubbers and sponges are also available.

Health and Safety Data Sheets together with Technical Data Sheets for all grades are available on request.

Information in this publication and otherwise supplied to users is based on our general experience and is given in good faith, but because of factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to such information. Specifications are subject to change without notice. Statements of operating limits quoted in this publication are not an indication that these values can be simultaneously applied.



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