

COMMERCIAL GRADE ELASTOMERS

COMMERCIAL NEOPRENE 264C

DESCRIPTION

Black coloured polychloroprene (neoprene) rubber with a smooth finish.

TYPICAL APPLICATIONS

Widely used for flange gaskets because of its good resistance to many types of oils and greases – mineral-based, silicone-based and animal-based – as well as aliphatic hydrocarbons. It also has good resistance to ozone, sunlight and atmospheric ageing. Operating temperature range is -20°C to $+100^{\circ}\text{C}$.

PHYSICAL PROPERTIES

(Tested to BS903 PtA procedures)

Hardness, IRHD	55 to 70
Density, Mg/m^3	1.4 ± 0.2
Tensile strength, MPa	5
Elongation at break, %	200
Compression set, % (24h @ 70°C)	30

HOW SUPPLIED

Precision cut gaskets to any shape, size or quantity. In sheets: 1.2m x 1m, 1.2m x 1.2m. Rolls: 10m x 1.2m, 5m x 1.2m. Thicknesses: 1.5mm, 2mm, 3mm, 5mm, 6mm, 10mm, 12mm, 16mm, 19mm, 25mm. Note: Thicknesses of 6mm and greater are bulk supplied only in 5m rolls.

COMMERCIAL NEOPRENE INSERTION 283C

DESCRIPTION

Similar to 264C above, but contains a layer of polyester scrim reinforcement to give additional strength and resistance to spread under compression. Thicknesses of 3mm and greater have two plies of reinforcement.

TYPICAL APPLICATIONS

As for 264C above.

PHYSICAL PROPERTIES

As for 264C above.

HOW SUPPLIED

Precision cut gaskets to any shape, size or quantity. In sheets: 1.2m x 1m, 1.2m x 1.2m. Rolls: 10m x 1.2m, 5m x 1.2m. Thicknesses: 1.5mm, 3mm, 5mm, 6mm. Note: 6mm is bulk supplied only in 5m rolls.

COMMERCIAL NEOPRENE 339C

DESCRIPTION

A soft commercial neoprene, similar to 264C above but with an IRHD of 50.

TYPICAL APPLICATIONS

As for 264C above, but recommended for applications where a lower bolt loading is required.

HOW SUPPLIED

Precision cut gaskets to any shape, size or quantity. In sheets: 1.3m x 1m. Rolls: 20m x 1.3m, 10m x 1.3m, 5m x 1.3m. Thicknesses: 1.5mm, 2mm, 3mm, 5mm, 6mm, 8mm.

COMMERCIAL NITRILE 269C

DESCRIPTION

Medium hardness grade of rubber based on an acrylonitrile-butadiene copolymer. It is black in colour with a smooth finish.

TYPICAL APPLICATIONS

Service with all types of oils – mineral, silicone, vegetable, animal and synthetic – as well as many hydrocarbon fuels and water/glycol-based hydraulic fluids. Temperature range: -20°C to $+110^{\circ}\text{C}$.

PHYSICAL PROPERTIES

(Tested to BS903 PtA procedures)

Hardness, IRHD	55 to 70
Density, Mg/m^3	1.45 ± 0.2
Tensile strength, MPa	5
Elongation at break, %	250
Compression set, % (24h @ 70°C)	30

HOW SUPPLIED

Precision cut gaskets to any shape, size or quantity. In sheets: 1.2m x 1m, 1.2m x 1.2m. Rolls: 10m x 1.2m, 5m x 1.2m. Thicknesses: 1.5mm, 3mm, 5mm, 6mm. Note: 6mm is bulk supplied only in 5m rolls.

COMMERCIAL WHITE FOOD-QUALITY NITRILE 260C

DESCRIPTION

White-coloured acrylonitrile-butadiene rubber, with a smooth finish, developed especially for the food and beverage industries.

TYPICAL APPLICATIONS

Flange gaskets on food processing plant and equipment, where good resistance is needed to vegetable and animal oils and fats. It has a higher working temperature range (ie, -20°C to $+110^{\circ}\text{C}$) than its natural rubber counterpart, 259C.

PHYSICAL PROPERTIES

(Tested to BS903 PtA procedures)

Hardness, IRHD	60 ± 5
Density, Mg/m^3	1.5 ± 0.2
Tensile strength, MPa	5
Elongation at break, %	300
Compression set, % (24h @ 70°C)	35

HOW SUPPLIED

Precision cut gaskets to any shape, size or quantity. Sheets: 1.2m x 1m, 1.2m x 1.2m. Rolls: 10m x 1.2m, 5m x 1.2m. Thicknesses: 1.5mm, 3mm, 6mm. Note: 6mm is bulk supplied only in 5m rolls.

COMMERCIAL NITRILE INSERTION 337C

DESCRIPTION

Similar to 269C above, but with polyester scrim insertion to give additional strength and resist spread under load.

TYPICAL APPLICATIONS

As for 269C above.

PHYSICAL PROPERTIES

(Tested to BS903 PtA procedures)

Hardness, IRHD	55 to 65
Density, Mg/m^3	1.5 ± 0.2
Tensile strength, MPa min	3
Elongation at break, % min	300
Compression set, % (24h @ 70°C)	35

HOW SUPPLIED

Precision cut gaskets to any shape, size or quantity. In sheets: 1.3m x 1m. Rolls: 20m x 1.3m, 10m x 1.3m, 5m x 1.3m. Thicknesses: 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm.