



Product information

DIAPHRAGMS & DIAPHRAGM SHEET MATERIALS



Diaphragms have to move from one position to another - they can be used to absorb movement as well as providing a barrier between fluids and gasses. Therefore the integrity of the diaphragm or diaphragm material is absolutely paramount.

All materials used in our moulded diaphragms or our stock sheet materials conform to J-Flex's stringent specifications, all of which are designed to ensure optimum performance and product life.

Fabric supported diaphragms and materials have a distinct advantage over unsupported items. Supported diaphragms have less tendency to stretch under pressure conditions. Because the rubber is continually under stress conditions it tends to degrade physical properties quicker. Most importantly, fabric substrates take all of the stress from the rubber to work in the least stress conditions.

Moulded Diaphragms will normally incur tooling costs and our own speciality is for small to medium runs.

Check out the download area of our website
www.j-flex.co.uk for other product information



A member of the
Gasket Cutters
Association



Certificate No. RS 27920
Approved to
BS EN ISO 9001:2000

Clockpress Limited
Registered in England.
Registration No. 2448048
Registered Office:
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J-FLEX RUBBER PRODUCTS

Engineering Rubber Components & Specialised Sheeting Products

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DIAPHRAGM SHEET RUBBER

J-Flex , the UK's leading independent stockist and supplier of Silicone and Viton® Gasket Sheetings, are now pleased to bring you our range of flat Diaphragm Sheet Rubber Materials.

Precisely coated rubberised fabrics for use as diaphragms for the following applications :-

- * **Automotive carburettors**
- * **Gas control and valve equipment**
- * **L.P.G. and Methane gas actuators and regulators.**
- * **Diesel and other fuel pumps**
- * **Gas and fluid metering equipment**

Our stock items cover a wide range of Nitrile (NBR), Neoprene (CR) reinforced with high strength Nylon (Polyamide) fabric. This industry standard, exhibits good resistance to gas, petrol, hydrocarbons, mineral oils, propane, diesel fuel and hydraulic oils etc.

Reinforced Diaphragm materials give good dimensional stability in the presence of water, vapour and aromatics. An ability to withstand pressure, with low permeability and good flex life are also essential features.

Both the standard materials operate comfortably in the general temperature range of -30°C to +100°C. (See individual Specification Sheets for exact details).

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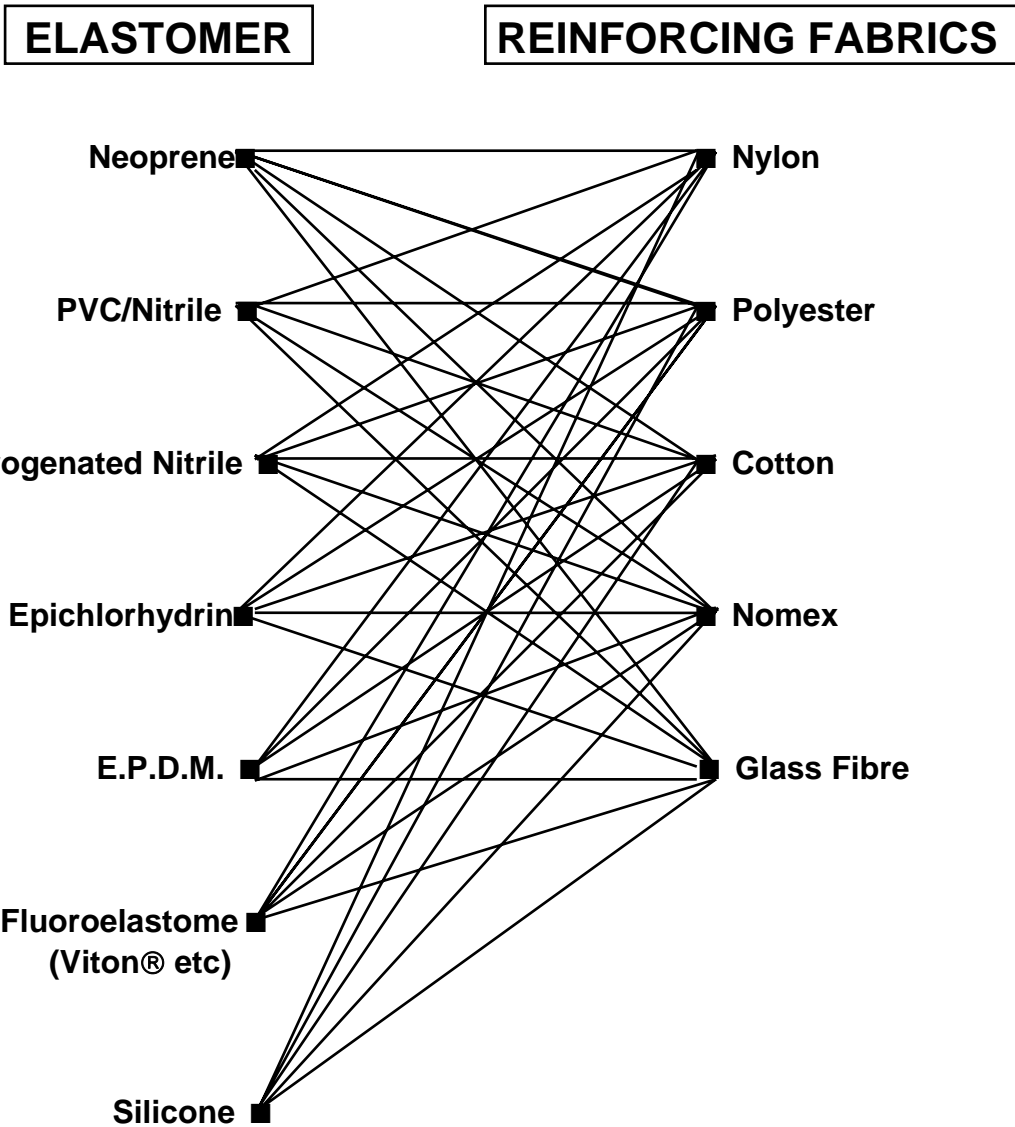
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In addition to our standard stock range, we can offer you a wide selection of “special” materials, sometimes available from stock - including.....



We can also offer PTFE bonded to reinforced materials, factory vulcanised to order.

Contact J-Flex today for your Diaphragm Sheet requirements.