

Material ref AR424

Black High Grade Nitrile Rubber

Is a medium/hard solid flexible rubber, high priced with good resistance to most oils & benzene for high applications.

There are many grades of Nitrile rubber available for a cheaper price, however the manufacturers of these commercial & British Standards material avoid any mention of use with harsh liquids in test data.

We recommend genuine SEMPERIT Nitrile as a preferred rubber for these problematic applications.

Can be used in a range of applications including gasketing & sealing.
Often used in automotive and mechanical Industries.

Thickness range & strip coil lengths

(not all thicknesses available in all products)

3mm, 5mm, 6mm thick - supplied in strip form 10mtrs long

(10mtr packs – 1 coil x 10mtrs, 50mtr packs – 5 coils x 10mtrs each).

Available in sheet, strip. (washers by request)

See test data sheet for further specification.

Comparison Guide: Black Solid Rubber

Materials are listed below most economical (to the left) to most expensive (to the right)

| Materials | Economy Commercial Rubber | Commercial Rubber Insertion | Neoprene Medium Hardness | Neoprene Soft | E.P.D.M | Nitrile | Viton |
|---------------------|---------------------------|-----------------------------|--------------------------|------------------|-------------------------|----------------------|------------------|
| Material Ref | 420 | 440 | 428 | 429 | 423 | 424 | 800 |
| Hardness. Shore 'A' | 65° +/-5 Medium/Hard | 65° +/-5 Medium/Hard | 60° +/-5 Medium | 40° +/-5 Soft | 65° +/-5 Medium/Hard | 70° +/-5 Hard | 72° +/-5 Hard |
| Temperature Max | 70°C | 70°C | 70°C | 90°C | 110°C | 80°C | 250°C |
| Temperature Min | -30°C | -30°C | -20°C | -25°C | -30°C | -20°C | -10°C |
| Flame Retardency | Poor | Poor | Poor | Poor | Poor | No Data | Poor |
| Weathering & Ozone | Poor | Poor | Fair | Fair | Very Good | Poor | Excellent |
| Oil | Poor | Poor | Poor /Fair | Poor /Fair | No Data | Good | No Data |
| Elongation @ Break | 250% min | 250% min | 250% min | 300% min | 300% min | 330% min | 165% |
| Tensile Strength | 3.0 Mpa | 3.0 Mpa | 3.0 Mpa | 3.5 Mpa | 5.0 Mpa | 10 N/mm ² | 4.0 Mpa |

Delivery

95% of products are despatched within 24hours of receiving order (exception: self adhesive solid neoprene strip, 3 to 5 working days). If orders are required by a specific deadline please email or phone prior placing your order for definite delivery date.

Material samples are available by request and specific questions can be asked via email:

sales@rubberonlinelimited.co.uk

The above is a rough guide and is subject to change without notice.

This information is designed to guide you, the customer, to the most suitable product for your intended application.

The assessment of use is the responsibility of the customer and any liability will remain with the customer.

Terms and conditions apply.

We are committed to customer satisfaction, if you have any concerns about our products or service please contact on us 01268 732185 and ask for customer services.