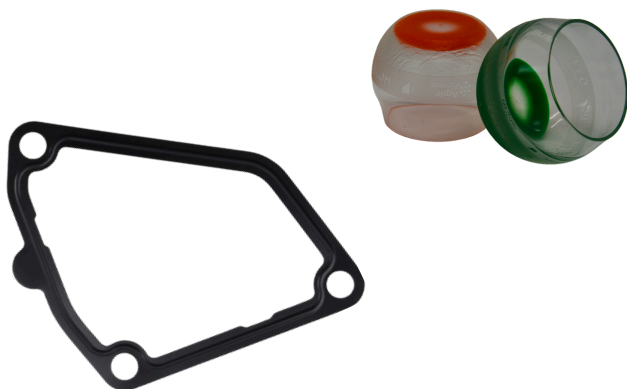


Rubber Technology



Applications:

- Silicone grommet for electrical wires.
- EPDM bellow seal for automotive.
- Fluorosilicone o-ring seal for automotive.
- EPDM extruded tube.



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Advantages

Fluorosilicone Rubber

- Excellent resistance to chemicals, solvents, lubricants, water, weather and ozone.
- Hardness 40 to 80 shore A.
- Temperature range -75 F to 400 F.

EPDM Rubber

- Good resistance to aging, ozone, polar liquids, sunlight exposure and chemicals.
- Light weight and good electrical properties.
- Excellent tear resistance and withstands temperatures of up to 150C while remaining flexible.
- Good resistance to compression set, dilute acids, ketones and alkalis.

Nitrile (NBR)

- Excellent resistance to petroleum based oils, fuels, water, alcohols, silicone greases and hydraulic fluids.

Other rubber materials available.

Rubber Materials:

| Rubber Type | Main Features | Typical Use |
|-------------------------------|---|--|
| Natural Rubber | High resilience and good wear resistance. | Vehicle ties, rubber shoes, hoses, tapes, air springs and other industrial products. |
| Isoprene Rubber | It has almost the same properties as natural rubber and is relatively stable. | Vehicle and aircraft tires can be used instead of natural rubber. |
| Styrene-Butadiene Rubber | Heat resistance up to 100°C | Tires, rubber shoes, adhesive tape, sporting goods, battery shells, tapes and other industrial supplies. |
| Cis Butadiene | Good low temperature resistance and wear resistance. | Automobile and aircraft tires, rubber shoes, shock-absorbing rubber, rubber rollers, tapes, hoses, plastic modifiers, etc. |
| Neoprene | Good heat resistance, ozone resistance, heat resistance up to 100 °C. | Wire sheath, conveyor belt shock-absorbing rubber, door and window inserts, adhesives, adhesives. |
| Butyl Rubber | Good weather resistance, ozone resistance, air tightness, polar solvent resistance. | Inner tubes, vulcanized capsules, roofing materials, wire sheaths, door and window inserts, steam hoses, heat-resistant conveyor belts, etc. |
| Nitrile Rubber | Good oil resistance (120°C), wear resistance and aging resistance. | Oil seals, pads, oil-resistant hoses, printing rollers, textile rollers and other oil-resistant products. |
| EPDM Rubber | Good aging resistance, ozone resistance, polar liquid resistance, lightest rubber, good electrical properties. | Wire sheaths, car wind shields, door and window inserts, steam hoses, conveyor belts, etc. |
| Silastic | Good heat resistance, cold resistance and oil resistance, can be used for light-colored products with a certain purity. | Shaft seals, gaskets, oil seals, industrial rubber rollers, shock-absorbing rubber, insulation products, medical products, putty, potting materials. |
| Dimethyl silicone rubber | Excellent electrical insulation properties as well as moisture, shock and physiological inertness | Electromechanical, aviation, automotive and medical industries. |
| Methyl vinyl silicone rubber. | Small compression set, good stability and excellent cold resistance. | In the aviation industry, it is widely used as gaskets, sealing materials and fragile, shockproof parts, electrical industry, and medicine. |

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| Fluoro-elastomer | Optimum heat and chemical resistance. | Materials required in rockets and missiles, shaft seals that are resistant to oil and chemicals, corrosion-resistant shaft seals for chemical plants, diaphragms, tank linings, hoses, pumps, etc. |
| Polyurethane rubber | Good oil resistance, especially good mechanical properties. | Industrial rubber rollers, solid tires, adhesive tapes, high-pressure shaft seals, couplings. |
| Polysulfide rubber. | Excellent oil resistance, electrical properties and ozone resistance | Highly oil-resistant hoses, shaft seals, rollers, putty, adhesives, etc |
| Polyacrylate rubber | Good oil resistance at high temperature (180°C) | Shaft seals and seals for automobile transmission and crank. |
| Chlorosulfonated polyethylene. | Good aging resistance, ozone resistance, weather resistance, chemical resistance and abrasion resistance. | Weather resistance, corrosion resistant coatings, tank linings, outdoor adhesive tape, corrosion resistant shaft seals, heat resistance, corrosion resistant rubber rollers. |
| Chloroether rubber. | Good air tightness, weather resistance, low temperature resistance and oil resistance. | Gaskets, refrigerator seals, gas regulators, pump and valve components |
| Methyl phenyl vinyl silicone rubber | Small compression set, low temperature resistance, ablation resistance and radiation resistance. | Aerospace industry seals, gaskets, tubes and rods, etc. |
| Benzene silicone rubber | Radiation resistance | Aerospace industry, atomic energy industry and nuclear reactors. |
| Ethyl silicone rubber | Cold resistance | Use at low temperatures |
| Silicone nitrogen rubber | Excellent thermal stability | Low temperature use (no decomposition at 480°C). |

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