Cal-Neva Supply Co. Inc.

Everything in Rubber

www.calnevasupply.com

Rubber is used for shock absorption, cushioning, vibration control, insulating and sealing. Chemical additives used for reinforcement and curing result in the properties outlined in the chart below. The ratings shown are to help you make general comparisons between rubbers.

Rubber	Oil Resistance	Electrical Resistivity	Flame Resistance	Impact Resistance	Abrasion Resistance	Tear Resistance	Weather Resistance	Oxidation Resistance	Ozone Resistance	Major Attributes
1. Buna-N (nitrile)	Excl	Poor	Poor	Good	Good	Fair	Poor	Good	Fair	Excellent resistance to mineral and vegetable oils.
2. Butyl	Poor	Excl	Poor	Fair	Good	Good	Very Good	Excl	Good	Low permeability to air. Excellent dielectric properties.
3. EPDM (ethylene-propylenediene-methylene)	Poor	Excl	Poor	Good	Good	Good	Very Good	Excl	Excl	General purpose rubber with excellent weather resistance.
4. ECH (epichlorohydrin)	Excl	Good	Poor	Fair	Good	Fair	Good	Good	Very Good	Excellent resistance to fuel. Withstands extremely low temperatures.
5. Gum Rubber	Poor	Excl	Poor	Good	Excl	Good	Poor	Good	Fair	Very resilient with high tensile strength and excellent acid and abrasion resistance.
6. Hypalon	Good	Excl	Good	Fair	Excl	Fair	Excl	Excl	Excl	Excellent weather and acid resistance.
7. Latex (natural rubber)	Poor	Excl	Poor	Excl	Excl	Excl	Fair	Good	Poor	Elasticity combined with resistance to abrasion and low temperatures.
8. Neoprene	Good	Very Good	Good	Good	Excl	Good	Very Good	Excl	Excl	General purpose abrasion-resistant rubber with good oil resistance.
9. Polyurethane	Excl	Excl	Fair	Good	Excl	Excl	Good	Excl	Excl	Resists abrasion, tearing and cold. Good load-bearing qualities.
10. SBR (styrene-butadiene)	Poor	Good	Poor	Excl	Very Good	Fair	Fair	Good	Fair	Excellent impact and very good abrasion resistance.
11. Santoprene	Good	Excl	Good	Good	Fair	Good	Excl	Excl	Excl	Good oil, solvent, and chemical resistance. Weathers well.
12. Silicone	Fair	Good	Fair	Fair	Poor	Poor	Excl	Excl	Excl	Resistant to chemicals and to high and low temperatures.
13. Sorbothane	Good	Poor	Poor	Excl	Fair	Fair	Good	Good	Poor	Outstanding impact resistance and damping qualities.
14. Vinyl	Good	not rated	Poor	Good	Fair	Fair	Good	Good	Good	Good for hot and cold water applications
15. Viton	Excl	Good	Good	Very Good	Good	Fair	Very Good	Excl	Excl	Resists oil and chemicals at low and high temperatures.

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