



FAIRPRENE® PRODUCT BULLETIN

Fairprene® Code: WFP-B1RS

(Comparable to †BS-5565 Nitrile Sheet Stock Material)

Description:

Nitrile (Buna N), or Butadiene Acrylonitrile superior quality sheet stock material for highly engineered applications. All Fairprene materials are manufactured to exact standards and close tolerance conditions.

Typical Physical Properties:

| | |
|-------------------------|----------------------------------------------------------------|
| Gauge | .016, .031, .062, .125, "Custom gauges available upon request" |
| Tensile Strength (PSI) | Above 1000 (Typical 1600) |
| Hardness (Shore Duro A) | 65 |

Nitrile sheet stock materials have good abrasion resistance and compression set qualities. Fairprene® compounds are formulated to maximize their abilities to perform in the presence of Aliphatic Hydrocarbons, oil & gasoline type environments. The Fairprene process capabilities maximize quality and consistency.

General Polymer Characteristics:

| | | <u>Nitrile (Buna N) Butadiene Acrylonitrile</u> |
|--------------------|----------------------------|-------------------------------------------------|
| Solvent Resistance | Aliphatic Hydrocarbons | Excellent |
| | Aromatic Hydrocarbons | Good |
| | Oxygenated (Ketones, etc.) | Poor |
| | Lacquer Solvents | Poor to Fair |
| Resistance To | Oil & Gasoline | Excellent |
| | Animal & Vegetable Oil | Excellent |
| | Water Absorption | Fair to Good |
| | Oxidation | Fair to Good |
| | Ozone | Poor to Fair |
| | Sunlight | Poor |
| | Heat Aging | Very Good |
| | Flame | Poor |
| | Heat | Good |
| | Cold | Good |

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