



| | |
|------------------------------|-------------------------|
| Abbreviation | NBR |
| ASTM D-2000 Classification | BF, BG, BK |
| Chemical Definition | Acrylonitrile Butadiene |
| RRP Compound Number Category | 30000 Series |

◆ Physical & Mechanical Properties

| | |
|-----------------------------|-------------------|
| Durometer or Hardness Range | 20 – 95 Shore A |
| Tensile Strength Range | 200 – 3,500 PSI |
| Elongation (Range %) | 350 % – 650 % |
| Abrasion Resistance | Good to Excellent |
| Adhesion to Metal | Excellent |
| Adhesion to Rigid Materials | Good to Excellent |
| Compression Set | Good to Excellent |
| Flex Cracking Resistance | Fair to Good |
| Impact Resistance | Fair to Good |
| Resilience / Rebound | Good |
| Tear Resistance | Good to Excellent |
| Vibration Dampening | Fair to Good |

◆ Chemical Resistance

| | |
|-------------------------------|--------------|
| Acids, Dilute | Good |
| Acids, Concentrated | Poor to Fair |
| Acids, Organic (Dilute) | Good |
| Acids, Organic (Concentrated) | Poor |
| Acids, Inorganic | Fair to Good |



◆ Chemical Resistance

| | |
|--------------------------------------|-------------------|
| Alcohol's | Fair to Good |
| Aldehydes | Poor to Fair |
| Alkalies, Dilute | Good |
| Alkalies, Concentrated | Poor to Good |
| Amines | Poor |
| Animal & Vegetable Oils | Good to Excellent |
| Brake Fluids, Non-Petroleum Based | Poor |
| Diester Oils | Fair to Good |
| Esters, Alkyl Phosphate | Poor |
| Esters, Aryl Phosphate | Poor to Fair |
| Ethers | Poor |
| Fuel, Aliphatic Hydrocarbon | Good to Excellent |
| Fuel, Aromatic Hydrocarbon | Fair to Good |
| Fuel, Extended (Oxygenated) | Fair to Good |
| Halogenated Solvents | Poor |
| Hydrocarbon, Halogenated | Poor to Fair |
| Ketones | Poor |
| Lacquer Solvents | Fair |
| LP Gases & Fuel Oils | Excellent |
| Mineral Oils | Excellent |
| Oil Resistance | Good to Excellent |
| Petroleum Aromatic | Good |
| Petroleum Non-Aromatic | Excellent |
| Refrigerant Ammonia | Good |
| Refrigerant Halofluorocarbons | R-11, R-12, R-13 |
| Refrigerant Halofluorocarbons w/ Oil | R-11, R-12 |
| Silicone Oil | Good |
| Solvent Resistance | Good to Excellent |



◆ Thermal Properties

| | |
|--|-----------------------------|
| Low Temperature Range | - 70° F to 0° F |
| Minimum for Continuous Use (Static) | - 40° F |
| Brittle Point | - 70° F to 0° F |
| High Temperature Range | + 210° F to + 250° F |
| Maximum for Continuous Use (Static) | + 250° F |

◆ Environmental Performance

| | |
|-----------------------------|--------------------------|
| Colorability | Excellent |
| Flame Resistance | Poor |
| Gas Permeability | Fair to Excellent |
| Odor | Good |
| Ozone Resistance | Fair to Good |
| Oxidation Resistance | Good |
| Radiation Resistance | Fair to Good |
| Steam Resistance | Fair to Good |
| Sunlight Resistance | Poor to Good |
| Taste Retention | Fair to Good |
| Weather Resistance | Fair to Good |
| Water Resistance | Good to Excellent |

