

| | | |
|-----------------------------------|-----------------------------|----------------------|
| | | Butyl |
| Chemical Name | | Isobutylene Isoprene |
| Material Designation | | AA |
| ASTM D-735, SAE J-14 & MIL-R-3065 | | R(S) |
| ASTM D-1418 Designation | | DA |
| Tensile Strength (psi) | Pure Gum | Over 1500 |
| | Black Loaded Stocks | Over 2000 |
| Hardness Range (Durometer A) | | 40-75 |
| Specific Gravity (Base Material) | | 0.92 |
| Adhesion to Metals | | Good |
| Adhesion to Fabrics | | Good |
| Tear Resistance | | Good |
| Abrasion Resistance | | Good |
| Compression Set | | Fair |
| Resilience | Cold | Poor |
| | Hot | Very Good |
| Dielectric Strength | | Good |
| Electrical Insulation | | Good |
| Impermeability to Gases | | Outstanding |
| Acid Resistance | Dilute | Excellent |
| | Concentrated | Good |
| Solvent Resistance | Aliphatic Hydrocarbons | Poor |
| | Aromatic Hydrocarbons | Poor |
| | Oxygenated (Ketones, etc.) | Good |
| | Lacquer Solvents | Fair to Good |
| Resistance To: | Swelling in Lubricating Oil | Poor |
| | Oil and Gasoline | Poor |
| | Animal Oils | Fair |
| | Water Absorption | Very Good |
| | Oxidation | Excellent |
| | Ozone | Excellent |
| | Sunlight Aging | Very Good |
| | Heat Aging | Very Good |
| | Low Temperature | Good |
| | Flame | Poor |
| | Vegetable Oils | Fair |
| | Chlorinated Hydrocarbons | Poor |