

Natural Rubber (NR) is a low-cost material with high tensile strength and elongation in both reinforced and non-reinforced states. It is ideal for general purpose applications. This rubber can be compounded to have good abrasion and tear resistance, good weather resistance, as well as low compression set properties at normal ambient temperatures over a Shore A hardness range of 40 to 90. Is Ideal for applications that require good resistance to abrasion, gouging and cut growth. Also, because it experiences little heat buildup during flexing, it is also commonly specified when shock and dynamic load requirements are deemed critical. Natural rubber is tough, long lasting and can be compounded for service at temperatures as low as -60°F. It is also easily bonded to metal and fabrics.

Limitations: Does not perform well when exposed to chemicals and petroleum derivatives, including petrochemicals. Not recommended for outdoor applications where maximum resistance to sunlight, ozone, oxygen or heat aging are major factors.

Temperature Resistance: -51°C to 104°C (-60° to 220°F)

Typical Uses: Automobile Tyres, Hot Water Bottles, Brake Systems, Food & Beverage Seals, Non-Hydraulic Sealing Applications

Physical Properties:

	Excellent	Good	Fair	Poor
Tensile strength		•		
Elongation	•			
Low temperature flexibility	•			
Compression Set	•			
Tear resistance	•			
Abrasion resistance	•			
Flame resistance				•
Gas permeability			•	

Chemical Resistance:

	Excellent	Good	Fair	Poor
Water	•			
Air		•		
Oxidation		•		
Alcohol		•		
Dilute acids and bases		•		
Steam			•	
Radiation			•	
Oil				•
Gasoline				•
Hydrocarbon solvents				•
Sunlight				•
Ozone				•