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## **NBR & EPDM**

### **What is NBR and what are the applications?**

NBR stands for Nitrile Butadiene Rubber. It is a synthetic rubber copolymer of acrylonitrile and butadiene. The strength of NBR lies in its moderate costs, and good resistance to swelling caused by hydrocarbons or acids. These features ensure that NBR is a cost-efficient and flexible all-round lining material fulfilling the needs of most industrial water applications.

NBR is one of the most widely used elastomer in the sealing application. The oil resistance characteristic makes it an ideal material for gasket, roll covers, hydraulic hoses, conveyor belting, oil field packers, and seals for all kinds of plumbing and appliance applications. This material is also ideal for aeronautical material as its operating temperature ranges from -40 °F to 226 °F. Other common uses of NBR include molded goods, footwear, adhesives, sealants, sponges, foams, and floor mats.

### **What is EPDM and what are the applications?**

EPDM stands for Ethylene Propylene Diene Monomer rubber. It is an elastomer which is characterized by a wide range of applications. Performance advantages of EPDM include ozone resistance, excellent electrical insulation, long service life in extreme environmental conditions and sustained flexibility.

EPDM rubber is often used in weather seals, and as a source of noise reduction in the automotive industry. EPDM is an excellent source for gaskets or gasket sealing against atmospheric conditions such as sunlight, ozone, wind and rain. EPDM rubber can withstand temperatures ranging from -58°F to 302°F. Due to its resistance to UV (ultra violet rays), ozone, and oxidation, EPDM is used for many outdoor industrial gasket applications for weatherproofing. Also, it is resistant to compression set and atmospheric degradation, it is used in many HVAC (heating, ventilation, and air conditioning) systems and other flexible sealing applications.

#### **WF is now offering:**

NB-45-V-0.75-RD; 4.5lb NBR, 0.75 x 44 x 98, Red

NB-45-V-0.75-YL; 4.5lb NBR, 0.75 x 44 x 98, Yellow

NB-45-V-0.75-BU; 4.5lb NBR, 0.75 x 44 x 98, Blue

NB-45-V-0.75-BK; 4.5lb NBR, 0.75 x 44 x 98, Black

NB-45-V-1-BK; 4.5lb NBR, 1 x 44 x 98, Black

EM-90-M-2-CH; 9lb EPDM, 2 x 38 x 77, Charcoal