

Ethylene Propylene Diene Rubber (EPDM) is an unsaturated version of ethylene and propylene plus a non-conjugated Diene as a third monomer. This terpolymer has high tensile strength and elongation with excellent resistance to oxygen and ozone. It also has the potential of good flexing characteristics, low compression set, good heat resistance and electrical properties. It is a low cost, versatile compound that functions well in both low and high operating temperature environments. Moderate to good resistance to a variety of chemicals make it the compound of choice for a variety of applications. Reinforcing agents are especially important in Ethylene- Propylene polymers because it lacks gum strength. Therefore, high tensile and tear properties are achieved through high loading.

General Information

Service Temperature -50°C to 150°C

Hardness Range 40 ~ 90 Shore A

Colour Black

Typical Uses

Door Seals, Automobile Profiles,
Gaskets, O-Rings

Performance Parameters:

	Excellent	Good	Fair	Poor
STEAM		●		
SUNLIGHT	●			
WEATHERING / OZONE	●			
COMPRESSION SET			●	
ABRASION RESISTENCE			●	
FLAME RESISTENCE			●	
GAS PERMEATION			●	
CHEMICALS / SOLVENTS				●
PETROLEUM OILS				●
FUELS / GASOLINE				●
BRAKE FLUIDS		●		
TRANSMISSION FLUIDS			●	
STEERING FLUIDS				●
REFREGERANTS				●