

Zetpol® 1010

Acrylonitrile Butadiene Rubber

Zeon Corporation

Message:

Hydrogenated NBR (HNBR) features high strength as well as resistance to heat, sour gasoline, and ozone. The low-temperature resistance grade provides outstanding physical properties across a wide range of temperatures, from -40 to 150°C. In terms of fuel-related applications, compared to rubber containing fluorine, Zetpol exhibits surpassed cost performance, while at the same time complying with the specific requirements of those applications. It also offers superior resistance to various lubricating oil additives. The use of Zetpol enables the manufacture of rubber parts including seals, hoses, and gaskets with excellent functionality at high temperatures, as it facilitates the design of high modulus compounds and maintains significant strength at high temperatures. Zetpol is also the ideal choice for oil drilling applications, because of its resistance capability to steam and acid, as well as crude oil and natural gas. In addition, Zetpol works well if applied to industrial equipment, since it readily adheres to various types of metal and exhibits excellent abrasion and chemical resistance. Furthermore, for various belts, such as synchronous belts and V-belts, Zetpol's premier dynamic characteristics, high strength, ozone resistance, and heat resistance contribute significantly to improving durability.

Characteristics and applications

Fuel resistant hoses, diaphragms and seals. Automotive and industrial refrigerant applications. FDA approved. Suitable for peroxide curing.

General Information		
Features	Acid Resistant	
	Fuel Resistant	
	Gasoline Resistance	
	Good Abrasion Resistance	
	Good Chemical Resistance	
	High Heat Resistance	
	High Strength	
	Oil Resistant	
	Ozone Resistant	
	Steam Resistant	
Uses	Automotive Applications	
	Diaphragms	
	Hose	
	Industrial Applications	
	Seals	
Agency Ratings	FDA Unspecified Rating	
Physical	Nominal Value	Unit
Specific Gravity	0.978	g/cm ³
Mooney Viscosity	85	MU
Bound Acrylonitrile	44	%
Iodine Value	10.0	mg/100 mg

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