

Zetpol® 1020

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

Same as Zetpol 1010, except for a lower saturation level allowing for a sulfur curing. Suitable for sulfur and peroxide curing.

| General Information | | |
|---------------------|--------------------------|------------------------|
| Features | Acid 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 | 78 | MU |
| Bound Acrylonitrile | 44 | % |
| Iodine Value | 24.0 | mg/100 mg |

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