

Zetpol® 3700

Acrylonitrile Butadiene Rubber

Zeon Chemicals L.P.

Message:

ZETPOL® HYDROGENATED NITRILE ELASTOMERS (HNBR) provide superior service in tough environment applications. Zetpol shows not only much higher resistance than NBR elastomers to heat, sour gasoline, and ozone, but it also provides excellent retention of properties at temperatures ranging from -40°C to +160°C. When properly compounded, Zetpol is suitable for applications where high strength at high temperature is required. Zetpol displays lower brittleness temperature than NBR with the same volume swell in gasoline, is more cost effective than FKM, and exhibits minimal deterioration when exposed to special oil additives. Zetpol resists crude oil, diesel oil, amine corrosion inhibitors, steam, and acids, making it an excellent choice for molded parts and hoses used in oilfield applications, both exploration and production. Zetpol provides excellent service up to 125°C in both animal fat and vegetable fat based biodiesel fuels, providing superior service in hose, gaskets, and seals used in automotive and heavy vehicle operations. Finally, Zetpol offers excellent service in multi-rib and timing belt applications due to its long-term dynamic performance, strength, and ozone resistance.

Main Characteristics & Applications

Superior compression set and improved balance of oil and fuel resistance vs. low-temperature properties. Improved resistance to polycyclic aromatic hydrocarbons.

General Information	
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Features	Acid Resistant
	Fuel Resistant
	Gasoline Resistance
	High Heat Resistance
	High Temperature Strength
	Oil Resistant
	Ozone Resistant
	Steam Resistant

Uses	Automotive Applications
	Belts/Belt Repair
	Gaskets
	Hose
	Oil/Gas Applications
	Seals

Physical	Nominal Value	Unit
Specific Gravity	0.948	g/cm³
Bound Acrylonitrile	23.0	wt%
Iodine Value	< 12.0	mg/100 mg

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