

Zetpol® 1000L

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.

Special Properties/Applications

Low-viscosity polymer for transfer or injection molding for fuel and oil field applications. FDA compliant.

General Information	
Features	Acid Resistant
	Fuel Resistant
	Gasoline Resistance
	High Heat Resistance
	High Temperature Strength
	Low Viscosity
	Oil Resistant
	Ozone Resistant
	Steam Resistant
Uses	Automotive Applications
	Belts/Belt Repair
	Gaskets
	Hose
	Oil/Gas Applications
	Seals
Agency Ratings	FDA Unspecified Rating
Processing Method	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	0.978	g/cm ³
Mooney Viscosity	58 to 72	MU
ACN Content	44	%
Iodine Number	7.00	

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