

Zetpol® 4310

Acrylonitrile Butadiene Rubber

Zeon Corporation

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

Excellent low-temperature performance (TR10 of -36°C) for arctic applications.

General Information	
Features	High temperature strength
	Ozone resistance
	Low temperature resistance
	Gasoline resistance
	Fuel resistance
	Heat resistance, high
	acid resistance
	Oil resistance
	Steam resistance
Uses	Conveyor belt repair
	Washer
	Pipe
	Seals
	Application in Automobile Field
	Oil/Gas Supplies

Physical	Nominal Value	Unit
Specific Gravity	0.978	g/cm ³
Mooney Viscosity	52 - 72	MU
ACN Content	17	%
Iodine Number	15.0	

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