

Zetpol® 1020

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

Sulfur-curable for fuel-resistant hose, diaphragm and seal applications. FDA compliant.

General Information		
Features	High temperature strength	
	Ozone resistance	
	Gasoline resistance	
	Fuel resistance	
	Heat resistance, high	
	acid resistance	
	Oil resistance	
	Steam resistance	
Uses	Conveyor belt repair	
	Washer	
	Diaphragm	
	Pipe	
	Seals	
	Application in Automobile Field	
	Oil/Gas Supplies	
Agency Ratings	FDA not rated	
Physical	Nominal Value	Unit
Specific Gravity	0.978	g/cm ³
Mooney Viscosity	71 - 85	MU
ACN Content	44	%
Iodine Number	24.0	

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