

Zetpol® 4310EP

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

Easy-processing version of 4310, for improved flow characteristics. Excellent for injection-molding applications.

General Information		
Features	Acid Resistant	
	Fuel Resistant	
	Gasoline Resistance	
	Good Processability	
	High Heat Resistance	
	High Temperature Strength	
	Oil Resistant	
	Ozone Resistant	
	Steam Resistant	
Uses	Automotive Applications	
	Belts/Belt Repair	
	Gaskets	
	Hose	
	Oil/Gas Applications	
	Seals	
Processing Method	Injection Molding	
Physical	Nominal Value	Unit
Specific Gravity	0.978	g/cm ³
Mooney Viscosity	23 to 37	MU
ACN Content	17	%
Iodine Number	15.0	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

