

Hydrin® C2000XL

Epoxy; Epoxide

Zeon Chemicals L.P.

Message:

HYDRIN® ELASTOMERS (CO/ECO/GECO), based on polyepichlorohydrin, have an excellent balance of properties for automobile applications. They exhibit notable low-temperature flexibility and adjustable dampening characteristics in addition to heat, oil and fuel resistance. More recently, Hydrin elastomers have shown a good balance of price and performance in the biofuel market. With great resistance to biodiesel fuels and ozone, Hydrin is a viable material for hose cover stock. The homopolymer Hydrin H (CO) shows superior permeation resistance to gases and air, while the copolymer (ECO) and terpolymer (GECO) products are inherently static-dissipative. GECO is an excellent candidate for charge and developer rolls in laser printers. A low-Mooney terpolymer for rolls with enhanced conductivity s now available. Terpolymers can be sulfur- or peroxide-cured.

Special Properties/Applications

Lowest-viscosity version of Hydrin C2000 for optimal injection flow.

General Information			
Features	Antistatic		
	Copolymer		
	Fuel Resistant		
	High Heat Resistance		
	Low Temperature Flexibility		
	Low Viscosity		
	Oil Resistant		
	Ozone Resistant		
Uses	Automotive Applications		
	Diaphragms		
	Fabric Coatings		
	Hose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.28	g/cm ³	
Mooney Viscosity	40 to 52	MU	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-41.0	°C	DSC

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