

Hydrin® T3105

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

High-ECH- and AGE-content terpolymer for improved heat and ozone resistance.

General Information			
Features	Fuel Resistant		
	High Heat Resistance		
	Low Temperature Flexibility		
	Oil Resistant		
	Ozone Resistant		
	Terpolymer		
Uses	Automotive Applications		
	Hose		
Physical	Nominal Value	Unit	
Specific Gravity	1.29	g/cm ³	
Mooney Viscosity	70 to 80	MU	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-41.0	°C	DSC

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