

Hydrin® H65

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

Outstanding permeation resistance to helium, hydrogen, nitrogen, air and carbon dioxide.

| General Information | | | |
|------------------------------|-----------------------------|-------------------|-------------|
| Features | Fuel Resistant | | |
| | High Heat Resistance | | |
| | Homopolymer | | |
| | Low Temperature Flexibility | | |
| | Oil Resistant | | |
| | Ozone Resistant | | |
| Uses | Automotive Applications | | |
| | Hose | | |
| Physical | Nominal Value | Unit | |
| Specific Gravity | 1.37 | g/cm ³ | |
| Mooney Viscosity | 60 to 70 | MU | |
| Thermal | Nominal Value | Unit | Test Method |
| Glass Transition Temperature | -21.0 | °C | DSC |

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