

## Epichlorohydrin Rubber (CO, ECO)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

CO is the ISO designation for the homopolymer and ECO is the ISO designation for the ethylene oxide copolymer. Epichlorohydrin rubber is generally damaged by chlorinated solvents, ketones, aldehydes, esters, and nitrogen-containing solvents. It is generally resistant to oil/fat/grease, ozone, and hydraulic fluid.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Epichlorohydrin-Rubber-CO-ECO.php](http://www.lookpolymers.com/polymer_Epichlorohydrin-Rubber-CO-ECO.php)

Physical Properties	Metric	English	Comments
Density	1.45 - 1.60 g/cc	0.0524 - 0.0578 lb/in <sup>3</sup>	Compounded

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 90	40 - 90	Depends on compounding
Tensile Strength, Ultimate	17.0 MPa	2470 psi	Compounded Tire
Elongation at Break	150 - 500 %	150 - 500 %	
Compression Set	10 %	10 %	

Thermal Properties	Metric	English	Comments
CTE, linear	648 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	360 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Maximum Service Temperature, Air	130 $^\circ\text{C}$	266 $^\circ\text{F}$	
Minimum Service Temperature, Air	-40.0 - -10.0 $^\circ\text{C}$	-40.0 - 14.0 $^\circ\text{F}$	

## Contact Songhan Plastic Technology Co.,Ltd.

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