



## Technical Data Sheet

<b>MATERIAL:</b>	Polychloroprene
<b>CATALOG NUMBER:</b>	503
<b>CAS NUMBER:</b>	9010-98-4
<b>DESCRIPTION:</b>	Homopolymer of chloroprene
<b>FORMULA:</b>	$(C_4H_5Cl)_x$

**TYPICAL PROPERTIES:**

Appearance:	Chips
Chlorine content:	40% by wt
Cis:	10%
Trans:	85%
Mooney viscosity:	100 (100°C)
Density:	1.23 (25°C)
Refractive index:	$n_D^{25}$ 1.5580
Glass transition temp:	-48°C
Flash point:	> 500°F
Solubility:	Benzene, chloroform, dioxane, toluene

**GENERAL INFORMATION:** Crosslinking or vulcanization can be achieved by reaction with metal oxides. Polychloroprene vulcanizates have good oil and solvent resistance. The presence of chlorine-substituted double bonds makes the polymer rather unreactive and leads to good resistance to most chemicals, oxygen, and ozone. The high chlorine content of the polymer results in products which are generally self-extinguishing. Vulcanized polychloroprene rubbers find use in such applications as cable-sheaths, hose and weather strips.

**STRUCTURE:**

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