



## Technical Data Sheet

**MATERIAL:** Polyethylene, chlorosulfonated

**CATALOG NUMBER:** 107

**CAS NUMBER:** 68037-39-8

**DESCRIPTION:** Chlorosulfonated polyethylene

**FORMULA:** Unspecified

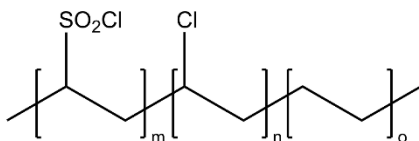
**TYPICAL PROPERTIES:**

Appearance:	Chunks
Chlorine content:	43wt%
Approx Mw:	195,000 [GPC]
Mooney viscosity:	30
Density:	1.27 (25°C)
Solubility:	MEK, THF, toluene

**GENERAL INFORMATION:**

Prepared by the reaction of a mixture of chlorine and sulfur dioxide with polyethylene. There are significantly higher chlorine substitutions on the main chain than there are chlorosulfonyl substitutions. Crosslinking can be achieved by the reaction of metal oxides (e.g. magnesium oxide) with the chlorosulfonyl function using organic sulfur compounds as accelerators. The cured polymer exhibits good resistance to ozone, oxygen, weather, heat, chemicals, oil and flame. Applications have included ignition wire coverings, acid hose, tank linings and gasketing.

**STRUCTURE:**



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