



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.

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