



Technical Data Sheet

MATERIAL: Poly(vinyl chloride)

CATALOG NUMBER: 1039

CAS NUMBER: 9002-86-2

DESCRIPTION: Homopolymer of vinyl chloride

FORMULA: $(C_2H_3Cl)_x$

TYPICAL PROPERTIES:

Appearance:	Powder
Chlorine content:	56% by weight
Approx Mw:	130,000 [GPC]
Inherent viscosity:	0.85
Density:	1.40
Glass transition temp:	85°C
Refractive index:	n_D^{20} 1.539
Melting point:	285°C
Solubility parameter:	9.53
Flash point:	736°F
Solubility:	Cyclohexanone, DMF, DMSO, MEK, THF

GENERAL INFORMATION: Typical applications include pipe, pipe fittings, packaging films, wire and cable insulation, sheeting for pool liners and roof coatings, and adhesives formulations. PVC has the advantage over other thermoplastic polyolefins of built in fire retardancy because of its 57% chlorine.

STRUCTURE: