



Technical Data Sheet

MATERIAL:	Poly(vinyl chloride)
CATALOG NUMBER:	696
CAS NUMBER:	9002-86-2
DESCRIPTION:	Homopolymer of vinyl chloride
FORMULA:	$(C_2H_3Cl)_x$

TYPICAL PROPERTIES:

Appearance:	Powder
Chlorine content:	56% by wt
Approx Mw:	245,000 [GPC]
Inherent viscosity:	1.20
Density:	1.40
Glass transition temp:	85°C
Refractive index:	n_D^{20} 1.539
Melting point:	285°C
Solubility parameter:	9.53
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:

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