



## Technical Data Sheet

<b>MATERIAL:</b>	Poly(vinyl chloride)
<b>CATALOG NUMBER:</b>	697
<b>CAS NUMBER:</b>	9002-86-2
<b>DESCRIPTION:</b>	Homopolymer of vinyl chloride
<b>FORMULA:</b>	$(C_2H_3Cl)_x$

**TYPICAL PROPERTIES:**

Appearance:	Powder
Chlorine content:	56% by wt
Approx Mw:	215,000 [GPC]
Inherent viscosity:	1.10
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:**