



## 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:**

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp<sup>2</sup> in writing at time of sale. Sp<sup>2</sup> cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp<sup>2</sup>.