

6265 DEAN PARKWAY ONTARIO NY 14519 WWW.SCIPOLY.COM

Technical Data Sheet

MATERIAL: Poly(vinyl chloride)

CATALOG NUMBER: 697

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: 215,000 [GPC]

Inherent viscosity:1.10Density:1.40Glass transition temp: 85° CRefractive index: n_D^{20} 1.539Melting point: 285° CSolubility 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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