SCIENTIFIC POLYMER PRODUCTS, INC.
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Technical Data Sheet

MATERIAL: Poly(2-vinylpyridine), linear

CATALOG NUMBER: 813

CAS NUMBER: 25014-15-7

DESCRIPTION: Homopolymer of 2-Vinylpyridine

FORMULA: $(C_7H_7N)_x$

TYPICAL PROPERTIES:

Appearance:	Powder
Viscosity average Mw:	40,000
Glass transition temp:	104°C
Solubility:	Acetone, benzene, chloroform, dioxane, DMAC, DMF, DMSO, ethanol, isopropanol, methanol, pyridine, THF

GENERAL INFORMATION: Undergoes reactions typical of alkyl pyridines, e.g. doping, quaternization, oxidation, etc. Poly(2-vinylpyridine) and its derivatives have found application in a number or areas. The homopolymer has been used in photographic film, Lithography, corrosion inhibitors, membranes for chemical separations, and as a catalyst in a number of organic reactions. Doped derivatives have found application in batteries and photovoltaic cells. Quaternized derivatives have found application in electron beam resists, emulsion stabilizers and dispersing agents, electroplating and as flocculating agents.

STRUCTURE: