

Technical Data Sheet

MATERIAL:	Poly(acrylic acid)	
CATALOG NUMBER:	026	
CAS NUMBER:	9003-01-4	
DESCRIPTION:	Homopolymer of acrylic acid	
FORMULA:	$(C_3H_4O_2)_x$	
TYPICAL PROPERTIES:	Appearance: Approx Mw: Equivalent weight: Refractive index: Density: Viscosity: Glass transition temp: pH (1% water solution): Solubility:	Powder 450,000 76 n_D^{25} 1.527 1.41 700 cp (4% solution in water) 106°C 2.5-3.0 Dioxane, ethanol, methanol, water
GENERAL INFORMATION:	This product is used in applications requiring high carboxylic content without appreciable increase in viscosity. Application areas include paper sizing, drilling fluids and water treatment. Can be neutralized with a variety of reactants including ammonium hydroxide, selected amines, urea and caustic. Neutralized derivatives have been used in a variety of applications including hand creams, toothpastes, shaving creams, latex thickeners and hand cleaners.	
STRUCTURE:		

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