SCIENTIFIC POLYMER PRODUCTS, INC.
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Technical Data Sheet

MATERIAL: Poly(vinyl formal)

CATALOG NUMBER: 1091

CAS NUMBER: 918439-35-7

DESCRIPTION: Polyvinyl acetal made from partially hydrolyzed polyvinyl alcohol and formaldehyde

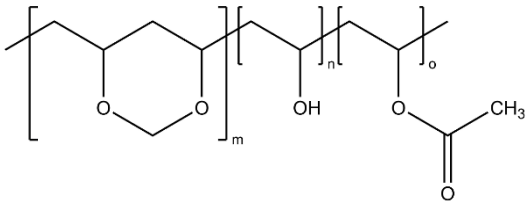
FORMULA: $(C_5H_8O_2)_x(C_2H_4O)_y(C_4H_6O_2)_z$

TYPICAL PROPERTIES:

Appearance:	Granular
Approx. formal content:	82%
Approx. acetate content:	12%
Approx. hydroxyl content:	6%
Approx. Mw:	90,000
Density:	1.23 (23°C)
Approx. Viscosity:	40 cp
Refractive index:	n_D^{20} 1.502
Glass transition temp:	103-113°C
Solubility parameter:	10.0
Solubility:	Acetic acid, chloroform, dioxane, THF

GENERAL INFORMATION: Can be crosslinked through heating with a trace of mineral acid. Principle applications include electrical insulation and functional surface coatings.

STRUCTURE:



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