SCIENTIFIC POLYMER PRODUCTS, INC.
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Technical Data Sheet

MATERIAL: Polyamide resin

CATALOG NUMBER: 386

CAS NUMBER: 68650-48-6

DESCRIPTION: Dimer acid based polyamide resin.

FORMULA: Unspecified

TYPICAL PROPERTIES:

Appearance:	Pellets
Melting point:	117°C
Brookfield viscosity:	10 p (190°C)
Density:	0.98 (23°C)
Flashpoint:	> 570°F
Solubility:	Chloroform; Insoluble in water

GENERAL INFORMATION: Polyamide resins are generally used in adhesive applications. They have good adhesion to many substrates, including elastomers and will retain flexibility at low temperatures.

STRUCTURE: This product is a polyamide made from dimerized tall oil fatty acids and ethylenediamine. Tall oil is a complex mixture of linoleic, oleic and other acids. Thus, the polymer has a complex structure. A simplified structure for just the linoleic acid portion would be: