

Technical Data Sheet

Product Name TecoMide™ Y-301

Product Description -The product is a nylon copolymer, and soluble in methanol, ethanol, propanol and other low-level fatty alcohols.

-The product is used for coating, impregnation, injection molding and other processes to improve product wear resistance, scratch resistance, oil resistance, chemical resistance, alkali resistance, ozone resistance, as well as mechanical strength, heat resistance, elastic recovery and flexibility.

Applications

- Transparent hoses
- PA toughener
- Nitrile rubber modifier
- Sheaths for wires and cables
- Metal structural adhesives (with epoxy /phenolic resin)
- Enameled wire coating
- Nylon printing plate

General properties

	unit	Value	test method
Density	g/cm3	1.08	ISO1183
Melt Flow Index		10~20	ISO 1133

Mechanical properties

Tensile strength	MPa	38	ISO527
Elongation at break	%	300 or above	ISO 527

Thermal properties

Melting temperature	°C	150~160	ISO 11357 (DSC, 20C/min)
Relative viscosity		2.0~2.8	U-viscometer

Other properties

Alcohol Solubility		Pass	Company method
Expansion rate in gasoline (%)	%	<1.5	Company method

Note: The above values are typical properties, not commercial specification.