

## Nilit Polynil® P240 High Viscosity Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

### Material Notes:

Description: Polynil P240 is a high viscosity NYLON 66 (Viscosity number 290 cm<sup>3</sup>/gr) that was developed for rod and slab extrusion. It has a high melt stability and a low gel content. Key characteristics: Viscosity number 290 cm<sup>3</sup>/gr Low gel content Various food contact approvals High heat stability Information provided by NILIT.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nilit-Polynil-P240-High-Viscosity-Nylon-66.php](http://www.lookpolymers.com/polymer_Nilit-Polynil-P240-High-Viscosity-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ASTM D792
Viscosity Measurement	240	240	relative viscosity (formic acid); ASTM D789

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	82.0 MPa	11900 psi	ASTM D638
Elongation at Break	142 %	142 %	ASTM D638
Tensile Modulus	2.71 GPa	393 ksi	ASTM D638
Flexural Strength	118.9 MPa	17250 psi	ASTM D790
Flexural Modulus	2.81 GPa	408 ksi	ASTM D790
Izod Impact, Notched (ISO)	6.93 kJ/m <sup>2</sup>	3.30 ft-lb/in <sup>2</sup>	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	232 °C	450 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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