

## Nilit Polynil® P240HSLV High Viscosity, Heat Stabilized Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

### Material Notes:

Description: Polynil P240 HSLV was developed for injection molding applications, where a combination of heat aging resistance, abrasion resistance and impact strength is needed, such as chain tensioner guides. Key characteristics: High abrasion resistance High heat aging resistance Ability to absorb shock loads, also at low temperatures Information provided by NILIT.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nilit-Polynil-P240HSLV-High-Viscosity-Heat-Stabilized-Nylon-66.php](http://www.lookpolymers.com/polymer_Nilit-Polynil-P240HSLV-High-Viscosity-Heat-Stabilized-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 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	84.1 MPa	12200 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Tensile Modulus	2.70 GPa	392 ksi	ASTM D638
Flexural Strength	118 MPa	17100 psi	ASTM D790
Flexural Modulus	2.70 GPa	392 ksi	ASTM D790
Izod Impact, Notched (ISO)	6.93 kJ/m <sup>2</sup>	3.30 ft-lb/in <sup>2</sup>	ASTM D256
Charpy Impact Unnotched	NB	NB	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	233 °C	451 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C	160 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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