

## Nylene® 406F Nylon 6, 50% RH

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Unreinforced

### Material Notes:

Injection molding grade. Nylene 406F is a resin formulated to comply with FDA regulation 21 CFR 177.1500 for food contact applications. Nylene 406F is a general purpose, fast cycling molding resin. Crystallization initiators provide fast molding cycles through rapid melt set-up. Parts molded from 406F have better dimensional stability at moisture equilibrium than parts molded from conventional nylon. ALM, Nylene Canada, and Custom Resins are all operating companies of Polymeric Resources Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nylene-406F-Nylon-6-50-RH.php](http://www.lookpolymers.com/polymer_Nylene-406F-Nylon-6-50-RH.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Izod Impact, Notched	2.50 J/cm	4.68 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	182 °C	360 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	232 - 243 °C	450 - 469 °F	At Nozzle
Nozzle Temperature	232 - 243 °C	450 - 469 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China