

## NYCOA 436 PA 6

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

### Material Notes:

NSF rated general purpose molding grade Information provided by NYCOA, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NYCOA-436-PA-6.php](http://www.lookpolymers.com/polymer_NYCOA-436-PA-6.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.7 %	1.7 %	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638
Elongation at Break	>= 50 %	>= 50 %	ASTM D638
Flexural Yield Strength	98.0 MPa	14200 psi	ASTM D790
Flexural Modulus	2.552 GPa	370.1 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	ASTM D648
Flammability, UL94	V-2 @Thickness 0.700 mm	V-2 @Thickness 0.0276 in	

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	225 °C	437 °F	
Middle Barrel Temperature	230 °C	446 °F	
Front Barrel Temperature	250 °C	482 °F	

<b>Nozzle Temperature Processing Properties</b>	<b>250 °C Metric</b>	<b>482 °F English</b>	<b>Comments</b>
Mold Temperature	80.0 °C	176 °F	
Drying Temperature	76.0 °C	169 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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