

## NYCOA 2012 Copolymer Nylon

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

**Material Notes:**

easy flowing, exceptional toughness and flexibility with lower water absorption Information provided by NYCOA, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NYCOA-2012-Copolymer-Nylon.php](http://www.lookpolymers.com/polymer_NYCOA-2012-Copolymer-Nylon.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ISO 1183-A
Water Absorption	1.0 %	1.0 %	ISO METHOD 62
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	ISO METHOD 527
Elongation at Break	>= 300 %	>= 300 %	ISO METHOD 527
Flexural Yield Strength	49.0 MPa	7110 psi	ISO METHOD 176
Flexural Modulus	1.172 GPa	170.0 ksi	ISO METHOD 178
Izod Impact, Notched	1.13 J/cm	2.12 ft-lb/in	ISO METHOD 180

Thermal Properties	Metric	English	Comments
Melting Point	205 °C	401 °F	ISO METHOD 3146C

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	210 °C	410 °F	
Middle Barrel Temperature	230 °C	446 °F	
Front Barrel Temperature	250 °C	482 °F	
Nozzle Temperature	250 °C	482 °F	
Mold Temperature	80.0 °C	176 °F	
Drying Temperature	76.0 °C	169 °F	

**Contact Songhan Plastic Technology Co.,Ltd.**

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