

## NYCOA 1838 Copolymer Nylon Alloy

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Impact Grade

**Material Notes:**

good impact resistant molding and extrusion grade Information provided by NYCOA, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NYCOA-1838-Copolymer-Nylon-Alloy.php](http://www.lookpolymers.com/polymer_NYCOA-1838-Copolymer-Nylon-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.2 %	1.2 %	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Flexural Yield Strength	17.0 MPa	2470 psi	ASTM D790
Flexural Modulus	1.25 GPa	181 ksi	ASTM D790
Izod Impact, Notched	3.33 J/cm	6.24 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	209 °C	408 °F	ASTM D789

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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