

# NYCOA Polyamide 2366

Polyamide + TPE

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2366 is an extremely flexible and transparent Nylon copolymer specifically developed for extrusion applications such as high-end fishing line, and flexible tubing.

NYCOA 2366 possesses an extremely high degree of softness, flexibility, and transparency compared to standard monofilament grade nylons.

NYCOA 2366 can be easily extruded on most equipment. This product is available in heat and light stable grades.

General Information			
Additive	Plasticizer		
Features	Copolymer		
	Plasticized		
	Good flexibility		
	Definition, high		
	Soft		
Uses	monofilament		
	Pipe fittings		
	Fishery application		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.2	%	ASTM D955
Transverse flow	1.4	%	ASTM D955
Water Absorption (24 hr)	1.7	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	60.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	700	%	ASTM D638
Flexural Modulus <sup>3</sup>	250	MPa	ASTM D790
Flexural Strength <sup>4</sup>	13.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	860	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	203	°C	DSC

#### Additional Information

The value listed as Melting Point DSC, was tested in accordance with ASTM D789.

Injection	Nominal Value	Unit
Drying Temperature	71.1	°C
Drying Time	4.0 - 6.0	hr
Rear Temperature	216 - 227	°C
Middle Temperature	221 - 238	°C
Front Temperature	232 - 249	°C
Nozzle Temperature	243 - 260	°C
Processing (Melt) Temp	243 - 254	°C
Mold Temperature	21.1 - 48.9	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.138 - 0.345	MPa
Cushion	1.59 - 6.35	mm
Screw L/D Ratio	18.0:1.0	
Screw Compression Ratio	3.0:1.0	

#### NOTE

1. 50 mm/min
2. 50 mm/min
3. 50 mm/min
4. 50 mm/min

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