

# NYCOA Polyamide 2326 UV

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2326 UV is an impact modified, UV stabilized Nylon 6 resin, which offers outstanding toughness, impact strength and chemical resistance. NYCOA 2326 UV has been specially formulated to give a high degree of impact strength, without the loss of stiffness and rigidity. In addition, this product is stabilized to allow continued exposure to sunlight, and others forms of light. NYCOA 2326 UV processes easily on conventional injection molding and extrusion equipment. Typical applications include clips, fasteners, wiring harnesses, power tool housings, and connectors.

General Information			
Additive	Impact modifier		
	UV stabilizer		
Features	Impact modification		
	Rigidity, high		
	Rigid, good		
	Impact resistance, high		
	Good UV resistance		
	Workability, good		
	Good chemical resistance		
	Good toughness		
Uses	Electrical components		
	Fasteners		
	Connector		
	Shell		
Appearance	Available colors		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.4	%	ASTM D955
Transverse flow	1.6	%	ASTM D955
Water Absorption (24 hr)	1.7	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	50.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	75	%	ASTM D638
Flexural Modulus <sup>3</sup>	1540	MPa	ASTM D790
Flexural Strength <sup>4</sup>	58.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	140	°C	ASTM D648
1.8 MPa, not annealed	48.9	°C	ASTM D648
Melting Temperature	220	°C	DSC
Additional Information			

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

#### NOTE

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

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