# NYCOA Polyamide 2063

## Polyamide 66/6 Copolymer

Nycoa (Nylon Corporation of America)

#### Message:

NYCOA 2063 is a Nylon copolymer suitable for injection molding and extrusion. This copolymer offers an excellent balance of mechanical properties and outstanding processability.

Its lower melting point, greater flexibility, and lower crystallinity than standard nylon resins, makes it ideal for a variety of extrusion applications. In addition, the high relative viscosity provides excellent melt strength and toughness after process

NYCOA 2063 complies with all the requirements of the FDA regulations 21 CFR 177.1500.

NYCOA 2063 typical applications include barrier films and tubing.

	General Information				
Features	Copolymer				
	Workability, good				
	Good melt strength				
	Good flexibility				
	Good toughness				
	Medium and high viscosity				
Uses	Films				
	Pipe fittings				
Agency Ratings	FDA 21 CFR 177.1500				
Forms	Particle				
Processing Method	Extrusion				
	Injection molding				
Physical	Nominal Value	Unit	Test Method		
Physical Specific Gravity	Nominal Value	Unit	Test Method ASTM D792		
Specific Gravity					
Specific Gravity Water Absorption (24 hr)	1.13	g/cm³	ASTM D792		
Specific Gravity  Water Absorption (24 hr)  Mechanical	1.13	g/cm³ %	ASTM D792 ASTM D570		
Specific Gravity  Water Absorption (24 hr)  Mechanical  Tensile Strength <sup>1</sup>	1.13 1.7 Nominal Value	g/cm³ % Unit	ASTM D792 ASTM D570 Test Method		
	1.13 1.7 Nominal Value 72.4	g/cm³ % Unit MPa	ASTM D792 ASTM D570 Test Method ASTM D638		
Specific Gravity  Water Absorption (24 hr)  Mechanical  Tensile Strength <sup>1</sup> Tensile Elongation <sup>2</sup> (Break)	1.13 1.7 Nominal Value 72.4 200	g/cm³ % Unit MPa %	ASTM D792 ASTM D570 Test Method ASTM D638 ASTM D638		
Specific Gravity  Water Absorption (24 hr)  Mechanical  Tensile Strength <sup>1</sup> Tensile Elongation <sup>2</sup> (Break)  Flexural Modulus <sup>3</sup> Flexural Strength <sup>4</sup>	1.13 1.7 Nominal Value 72.4 200 2370	g/cm³ % Unit MPa % MPa	ASTM D792 ASTM D570 Test Method ASTM D638 ASTM D638 ASTM D638 ASTM D790		
Specific Gravity  Water Absorption (24 hr)  Mechanical  Tensile Strength <sup>1</sup> Tensile Elongation <sup>2</sup> (Break)  Flexural Modulus <sup>3</sup>	1.13 1.7 Nominal Value 72.4 200 2370 89.6	g/cm³ % Unit MPa % MPa MPa	ASTM D792 ASTM D570 Test Method ASTM D638 ASTM D638 ASTM D790 ASTM D790		
Specific Gravity  Water Absorption (24 hr)  Mechanical  Tensile Strength <sup>1</sup> Tensile Elongation <sup>2</sup> (Break)  Flexural Modulus <sup>3</sup> Flexural Strength <sup>4</sup> Impact	1.13 1.7 Nominal Value 72.4 200 2370 89.6 Nominal Value	g/cm³ % Unit MPa % MPa MPa Unit	ASTM D792  ASTM D570  Test Method  ASTM D638  ASTM D638  ASTM D790  ASTM D790  Test Method		

Page 1

Relative Viscosity, NYCOA Method: 3.5 SAVWater Extractable, NYCOA Method: 0.8 %Tensile Elongation at Break, ASTM D638, 2 in/min: 200 +%The

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

NOTE	
1.	51 mm/min
2.	51 mm/min
3.	51 mm/min
4.	51 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533 Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

