NYCOA Polyamide 2046

Polyamide 6/69 Copolymer

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2046 is a Nylon copolymer developed specially for applications that demand easy flow, exceptional toughness, and flexibility. Its moderately high melt viscosity processes easily on conventional extrusion equipment and yields products with extremely
NYCOA 2046 typical applications include fishing line and other industrial monofilament uses. It is available with custom additive packages: heat stabilizer, UV stabilizer, flame retardant and/or custom colors.

General Information			
Features	High strength Workability, good Good liquidity Good flexibility Good toughness Medium and high viscosity		
Uses	monofilament Fishery application		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.12	g/cm³	ASTM D792
Water Absorption (24 hr)	2.0	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]	55.8	MPa	ASTM D638
Tensile Elongation [2] (Break)	300	%	ASTM D638
Flexural Modulus [3]	758	MPa	ASTM D790
Flexural Strength [4]	34.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	80	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	196	°C	DSC

Additional Information
Relative Viscosity, NYCOA Method: 4 SAVWater Extractable, NYCOA Method: 8 to 10 %Tensile Elongation at Break, ASTM D638: 300+%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

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