

NYCOA Polyamide 2279

Polyamide + TPE

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2279 is a modified nylon copolymer alloy that features outstanding flexibility, toughness, and transparency. This resin has been developed for extrusion applications that demand high tenacity and strength, with ease of processability. Typical applications include lawn & garden monofilament and fishing line.

General Information			
Additive	Plasticizer		
Features	High tensile strength		
	High strength		
	Copolymer		
	Plasticized		
	Workability, good		
	Good flexibility		
	Definition, high		
	Good toughness		
Uses	Lawn and Garden Equipment		
	monofilament		
	Fishery application		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	57.9	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Flexural Modulus ³	448	MPa	ASTM D790
Flexural Strength ⁴	20.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	193	°C	DSC
Additional Information			
Tensile Elongation at Break, ASTM D638, 2 in/min: 300+%;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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