

NYCOA Polyamide 9030 NL

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 9030 NL is Nylon 6 and organo-clay based nanocomposite made via in-situ polymerization for optimum exfoliation. NYCOA 9030 NL is a medium viscosity grade and was specifically formulated for outstanding stiffness, dimensional and thermal stability and low water absorption. It is an excellent alternative for glass fiber reinforced nylon 6 resins, in applications where weight and surface finish of final product are critical. The grade exhibits properties equivalent to 12 to 15% glass filled Nylon 6 resin with 15% reduction in

General Information			
Filler / Reinforcement	Clay Nano		
Features	Good Dimensional Stability		
	Good Stiffness		
	Good Thermal Stability		
	Medium Viscosity		
	Moisture Resistant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.60	%	
Water Absorption (24 hr)	1.1	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	100	MPa	ASTM D638
Tensile Elongation ² (Break)	15	%	ASTM D638
Flexural Modulus ³	3500	MPa	ASTM D790
Flexural Strength ⁴	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Melting Temperature	210	°C	
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	51 mm/min		
4.	51 mm/min		

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