

ColorFast® NY2

Americhem - Polyamide 66

General Information
Product Description

NY2 is an injection molding grade of Nylon 6,6 suitable for a wide range of applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Excellent Colorability		
Uses	• Closures	• Household Goods	• Industrial Parts
	• Consumer Applications	• Housings	• Outdoor Applications
	• Engineering Parts	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.015 to 0.020	in/in	ASTM D955
Water Absorption (24 hr)	1.3	%	ASTM D570
Mechanical			
Tensile Strength ² (Yield)	12000	psi	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638
Tensile Elongation ² (Break)	70	%	ASTM D638
Flexural Modulus ²	440000	psi	ASTM D790
Flexural Strength ²	13000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	110		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	160	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	175	°F
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Suggested Shot Size	30 to 60	%
Rear Temperature	500 to 560	°F
Middle Temperature	510 to 560	°F
Front Temperature	510 to 560	°F
Nozzle Temperature	500 to 550	°F
Processing (Melt) Temp	535 to 580	°F
Mold Temperature	100 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	60 to 120	rpm
Vent Depth	1.5E-3 to 3.0E-3	in

