NYPOL®

NYPOL A3 G13 NTLA010 NR406

Product Description

13% Glass Fiber, Polyamide 66

General Considerations

Resin ID (ISO 1043)	· PA66 GF13	
Filler / Reinforcement	· Glass Fiber, 13% Filler by Weight	
Processing	· Injection Molding	· Extrusion
Color	· Natural	

· The information below is for informational purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Density / Specific Gravity	1,22	g/cm³	ASTM D 792
Mold Shrinkage		%	ASTM D 955
Parallel	0,6 to 1,0		
Normal	0,4 to 0,8		
Water Absorption		%	ASTM D 570
Equilibrium (23°C)	1,5 to 1,9		

Mechanical	Value	Unit	Method
Yield Stress	98	MPa	ISO 527-1-2
Elongation at Break	3	%	ASTM D 638
Flexural Strength	165	MPa	ASTM D 790
Flexural Modulus	4800	MPa	ASTM D 790
Izod Notched Impact Strength		kJ/m²	ISO 180/1A
23°C	7,5		

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	--
Heat Deflection Temperature		°C	ASTM D 648
0,45 MPa	258		
1,82 MPa	242		
Vicat Softening Temperature 50N	257	°C	ASTM D 1525
Coefficient of Linear Thermal Expansion		E-4/°C	ASTM E 831
Parallel ; (23 to 55 °C)	0.40 to 0.44		
Transverse ; (23 to 55 °C)	0.75 to 0.79		

Process		Unit	Method
Molding Process Temperature	285 to 305	°C	--
Mold Temperature	70 to 120	°C	--
Drying	80/4	°C/Hours	--