

NYPOL S3 G25 HS FR NTLA010 NB336

Product Description

25% Glass Fiber, Heat Stabilized, Flame Retardant, Bio-based polyamide 5.6

General Considerations

Resin	· >PA<	
Filler / Reinforcement	· Glass Fiber, 25% Filler by Weight	
Additive	· Heat Stabilized	· Flame Retardant
Processing	· Injection Molding	
Color	· Natural	

Physical	Value	Unit	Method
Density / Specific Gravity	1,54 to 1,56	g/cm ³	ASTM D 792
Mold Shrinkage		%	ASTM D 955
Parallel	0,5		
Normal	0,8		
Water Absorption		%	ASTM D 570
Equilibrium (23°C)	0,5		

Mechanical	Value	Unit	Method
Tensile Strength	170	MPa	ASTM D 638
Tensile Elongation	3,5	%	ASTM D 638
Flexural Strength	235	MPa	ASTM D 790
Flexural Modulus	9000	MPa	ASTM D 790
Izod Notched Impact Strength		J/m	ASTM D 256

Thermal	Value	Unit	Method
Melting Point	260	°C	--

Flammability	Value	Unit	Method
Flame Rating	V-0	-	UL94

Process		Unit	Method
Molding Process Temperature	250 to 265	°C	--
Mold Temperature	40 to 90	°C	--
Drying	80/4	°C/Hours	--

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