

GLS Nylon 6 PN06 Halogen Free

Polyamide 6

GLS Polymers Pvt. Ltd.

Message:

Nylon6 FR V0 Precolor

General Information			
Features	Flame Retardant Halogen Free		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 to 1.16	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	> 62.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	> 3.0	%	ASTM D638
Flexural Modulus ³	> 2800	MPa	ASTM D790
Flexural Strength ⁴	> 90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	> 200	°C	
1.8 MPa, Unannealed	> 70.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	55.0 to 95.0	°C	
Injection Pressure	70.0 to 105	MPa	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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