

GLS Nylon 6 PN09 IM1

Polyamide 6
GLS Polymers Pvt. Ltd.

Message:
Nylon6 Impact Modified Precolor

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10 to 1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	> 45.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 8.0	%	ASTM D638
Flexural Modulus ³	> 1600	MPa	ASTM D790
Flexural Strength ⁴	> 68.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 56.0	°C	ASTM D648
Vicat Softening Temperature	> 180	°C	ASTM D1525 ⁵
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 278	°C	
Mold Temperature	55.0 to 95.0	°C	
Injection Pressure	68.0 to 105	MPa	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		
5.	Rate B (120°C/h)		

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