

GLS Nylon 6 PW39

Polyamide 6
GLS Polymers Pvt. Ltd.

Message:
Nylon6 15 Mineral Precolor

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 to 1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	60.0 to 70.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 20	%	ASTM D638
Flexural Modulus ³	4000 to 4500	MPa	ASTM D790
Flexural Strength ⁴	90.0 to 110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	75 to 90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0 to 70.0	°C	ASTM D648
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	245 to 276	°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		

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