

GLS ABS SG49

Acrylonitrile Butadiene Styrene

GLS Polymers Pvt. Ltd.

Message:

ABS 20% GF Precolor

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980 to 1.38	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	> 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 5200	MPa	ASTM D638
Tensile Strength ¹ (Yield)	> 62.0	MPa	ASTM D638
Flexural Modulus	> 3600	MPa	ASTM D790
Flexural Strength	> 82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	> 103	°C	
1.8 MPa, Unannealed	> 101	°C	
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	205 to 240	°C	
Mold Temperature	60.0 to 85.0	°C	
Injection Pressure	69.0 to 102	MPa	
NOTE			
1.	50 mm/min		

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