

GLS ABS SN08

Acrylonitrile Butadiene Styrene

GLS Polymers Pvt. Ltd.

Message:

ABS FR V2

General Information			
Features	Flame Retardant		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10 to 1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	> 20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	> 48.0	MPa	ASTM D638
Flexural Modulus ²	> 1900	MPa	ASTM D790
Flexural Strength ³	> 60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 86.0	°C	ASTM D648
Vicat Softening Temperature	> 96.0	°C	ASTM D1525 ⁴
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	206 to 236	°C	
Mold Temperature	65.0 to 86.0	°C	
Injection Pressure	70.0 to 101	MPa	
NOTE			
1.	50 mm/min		
2.	2.0 mm/min		
3.	2.0 mm/min		
4.	Rate B (120°C/h)		

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