

GLS ABS WN02

Acrylonitrile Butadiene Styrene

GLS Polymers Pvt. Ltd.

Message:

ABS HR2 (Heat Resistance) Precolor

General Information			
Features	High Heat Resistance		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	> 8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.45 to 0.65	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	> 50.0	MPa	ASTM D638
Flexural Modulus ²	> 2500	MPa	ASTM D790
Flexural Strength ³	> 75.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	> 109	°C	
1.8 MPa, Unannealed	> 101	°C	
Vicat Softening Temperature	> 104	°C	ASTM D1525 ⁴
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		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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