

AIE ABS S20G2

Acrylonitrile Butadiene Styrene
Asia International Enterprise (Hong Kong) Limited

Message:

AIE ABS S20G2 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 10% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of AIE ABS S20G2: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	78.5	MPa	ASTM D638
Tensile Elongation ³ (Break)	6.0	%	ASTM D638
Flexural Modulus ⁴	4900	MPa	ASTM D790
Flexural Strength ⁵	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 0.125 mm)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	200 to 240	°C	
Middle Temperature	200 to 240	°C	
Front Temperature	200 to 240	°C	
Mold Temperature	50.0 to 90.0	°C	
NOTE			
1.	23°C		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	1.3 mm/min		
5.	2.8 mm/min		

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Recommended distributors for this material

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