

Abstron IM21

Acrylonitrile Butadiene Styrene
Bhansali Engineering Polymers Limited

Message:

Abstron IM21 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.
Characteristics include:
Flame Rated
Impact Resistant
Rigid

General Information			
Features	Medium Flow		
	Medium Impact Resistance		
	Medium Rigidity		
Processing Method	Injection Molding		
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)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	47.1	MPa	ASTM D638
Flexural Modulus ² (6.40 mm, Injection Molded)	2350	MPa	ASTM D790
Flexural Strength ³ (6.40 mm, Injection Molded)	71.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	230	J/m	
23°C, 6.40 mm, Injection Molded	180	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	95.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
NOTE			
1.	Type I, 5.0 mm/min		
2.	5.0 mm/min		

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|----|---------------------------|
| 3. | 5.0 mm/min |
| 4. | Annealed at 85°C for 2 hr |

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