

Abstron IM11GMS

Acrylonitrile Butadiene Styrene

Bhansali Engineering Polymers Limited

Message:

Abstron IM11GMS is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

Flame Rated

Chemical Resistant

Impact Resistant

Rigid

General Information			
Features	Good Chemical Resistance High Impact Resistance High 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)	12	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)	102		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)	64.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	390	J/m	
23°C, 6.40 mm, Injection Molded	370	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	98.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
NOTE			
1.	Type I, 5.0 mm/min		

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

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