

Abstron IPM 2000

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)

Bhansali Engineering Polymers Limited

Message:

Abstron IPM 2000 is an Acrylonitrile Butadiene Styrene + Acrylic (PMMA) (ABS+Acrylic) product. It is available in Asia Pacific.

Characteristics include:

Flame Rated

High Gloss

Scratch Resistant

General Information			
Features	High Gloss		
	Scratch Resistant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	110		ASTM D785
Pencil Hardness ¹	HB		ASTM D3363
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	51.0	MPa	ASTM D638
Flexural Modulus ³ (6.40 mm, Injection Molded)	2300	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm, Injection Molded)	65.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	150	J/m	
23°C, 6.40 mm, Injection Molded	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	92.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
NOTE			
1.	45°, 7.5 N		
2.	Type I, 5.0 mm/min		
3.	5.0 mm/min		

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

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