

# Abstron TIM 200

Acrylonitrile Butadiene Styrene  
Bhansali Engineering Polymers Limited

Message:

Abstron TIM 200 is an acrylonitrile butadiene styrene (ABS) product. It is available in the Asia-Pacific region.  
Features include:  
flame retardant/rated flame  
Hard  
Transparency

General Information			
Features	Rigidity, high		
	Definition, high		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	49.0	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (6.40 mm, Injection Molded)	2160	MPa	ASTM D790
Flexural Strength <sup>3</sup> (Yield, mm, injection molding)	68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20mm, injection molding	140	J/m	ASTM D256
23°C, 6.40mm, injection molding	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>4</sup> (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	90.0	°C	ASTM D648A
Flammability	Nominal Value		Test Method
Flame Rating (3.2 mm)	HB		UL 94
NOTE			
1.	Type 1, 50mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	Annealed at 85°C for 2 hr		

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