

# Abstron PT45M

Acrylonitrile Butadiene Styrene  
Bhansali Engineering Polymers Limited

Message:

Abstron PT45M is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by pipe extrusion, profile extrusion, or sheet extrusion and is available in Asia Pacific. Applications of Abstron PT45M include plumbing/piping/potable water and sheet.

Characteristics include:

Flame Rated

Antistatic

General Information	
Additive	Antistatic
Features	Antistatic
Uses	Piping
	Profiles
	Sheet

Processing Method	Pipe Extrusion
	Profile Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.50	%	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 <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	38.2	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (6.40 mm, Injection Molded)	1770	MPa	ASTM D790
Flexural Strength <sup>3</sup> (6.40 mm, Injection Molded)	48.1	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	510	J/m	
23°C, 6.40 mm, Injection Molded	370	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>4</sup> (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	87.0	°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	
3.	5.0 mm/min	
4.	Annealed at 80°C for 2 hr	

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#### Recommended distributors for this material

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