

# Abstron IMC45V

Polycarbonate + ABS

Bhansali Engineering Polymers Limited

## Message:

Abstron IMC45V is a Polycarbonate + ABS (PC+ABS) product. It is available in Asia Pacific. Typical application: Automotive.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
Features	Ultra High Impact Resistance		
Uses	Automotive Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	57.9	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (6.40 mm, Injection Molded)	2400	MPa	ASTM D790
Flexural Strength <sup>3</sup> (6.40 mm, Injection Molded)	77.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	630	J/m	
23°C, 6.40 mm, Injection Molded	490	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>4</sup> (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	120	°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 110°C for 2 hr		

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### Recommended distributors for this material

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