Abstron IMC45

Polycarbonate + ABS

Bhansali Engineering Polymers Limited

Message:

Abstron IMC45 is a Polycarbonate + ABS (PC+ABS) product. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Impact Resistant

Features	General Information			
Physical Nominal Value Unit Test Method Specific Gravity 1.12 g/cm³ ASTM D792 Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) 3 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) 114 ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded) 2.50 MPa ASTM D638 Flexural Modulus ² (6.40 mm, Injection Molded) 2.350 MPa ASTM D790 Flexural Strength ³ (6.40 mm, Injection Molded) 73.5 MPa ASTM D790 Impact Nominal Value Unit Test Method Northed Izod Impact 5.50 J/m 229°C, 3.20 mm, Injection Molded 5.50 J/m 23°C, 6.40 mm, Injection Molded 390 J/m Thermal Nominal Value Unit Test Method Pelfection Temperature Under Load ⁴ (1.8 MPa, Am	Features	High Impact Resistance		
Specific Gravity 1.12 g/cm³ ASTM D792		Medium Flow		
Specific Gravity 1.12 g/cm³ ASTM D792				
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) 13 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) 114 ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded) 52.0 MPa ASTM D638 Flexural Modulus ² (6.40 mm, Injection Molded) 2350 MPa ASTM D790 Flexural Modulus ² (6.40 mm, Injection Molded) 73.5 MPa ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact S50 J/m ASTM D256 23°C, 3.20 mm, Injection Molded 390 J/m Test Method Planmability Nominal Value Unit Test Method Planmability Nominal Value Unit Test Method Planmability Nominal Value "C ASTM D648 Flammability Nominal Value "C ASTM D648	·			
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Rockwell Hardness (R-Scale, Injection Molded)	Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
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Thermal Nominal Value Unit Test Method Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded) 106 °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 5.0 mm/min 5.0 mm/min	23°C, 3.20 mm, Injection Molded	550	J/m	
Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded) Flammability Nominal Value Test Method UL 94 NOTE 1. Type I, 5.0 mm/min 2. 5.0 mm/min 5.0 mm/min	23°C, 6.40 mm, Injection Molded	390	J/m	
MPa, Annealed, 6.40 mm, Injection Molded) 106 C Riammability Nominal Value Test Method Test Method NOTE 1. Type I, 5.0 mm/min 2. S.0 mm/min 3. S.0 mm/min	Thermal	Nominal Value	Unit	Test Method
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	MPa, Annealed, 6.40 mm, Injection	106	°C	ASTM D648
Flame Rating (3.20 mm) HB UL 94 NOTE 1. Type I, 5.0 mm/min	<u> </u>			Test Method
NOTE 1. Type I, 5.0 mm/min 2. 5.0 mm/min 3. 5.0 mm/min				
1. Type I, 5.0 mm/min 2. 5.0 mm/min 3. 5.0 mm/min	•			
3. 5.0 mm/min		Type I, 5.0 mm/min		
	2.	5.0 mm/min		
4. Annealed at 100°C for 2 hr	3.	5.0 mm/min		
	4.	Annealed at 100°C for 2 hr		

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