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

General Information	
Features	High Impact Resistance
	Medium Flow

Physical	Nominal Value	Unit	Test Method
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 Strength [3] (6.40 mm, Injection Molded)	73.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	550	J/m	
23°C, 6.40 mm, Injection Molded	390	J/m	
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		
3.	5.0 mm/min		
4.	Annealed at 100°C for 2 hr		

Recommended distributors for this material

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