

Abstron IMC45 FR V2

Polycarbonate + ABS

Bhansali Engineering Polymers Limited

Message:

Abstron IMC45 FR V2 is a Polycarbonate + ABS (PC+ABS) product. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	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)	49.0	MPa	ASTM D638
Flexural Modulus ² (6.40 mm, Injection Molded)	2350	MPa	ASTM D790
Flexural Strength ³ (6.40 mm, Injection Molded)	68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	96.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	V-2		UL 94
NOTE			
1.	Type I, 5.0 mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	Annealed at 85°C for 2 hr		

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