

Abstron IM-17 A EP

Acrylonitrile Butadiene Styrene
Bhansali Engineering Polymers Limited

Message:

Abstron IM-17 A EP is an acrylonitrile butadiene styrene (ABS) product. It is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

General Information			
Features	Electroplateable		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	45	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	41.7	MPa	ASTM D638
Flexural Modulus (6.40 mm)	1960	MPa	ASTM D790
Flexural Strength (Yield, 6.40 mm)	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.20 mm	230	J/m	ASTM D256
6.40 mm	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	93.0	°C	ASTM D648
Vicat Softening Temperature	104	°C	ASTM D1525 ²
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	85.0 - 90.0	°C	
Drying Time	3.0 - 3.5	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	210 - 250	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection Rate	Moderate-Fast		
Injection instructions			
Drying Time (Tray Oven): 3 to 3.5 hrDrying Time (Hopper Dryers): 2.5 to 3 hrDrying Time (Dry Air Ovens): 2 to 2.5 hrInjection Pressure: Low to MediumBack Pressure: Low to Medium			

NOTE

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|----|--------------------|
| 1. | Type 1, 5.0 mm/min |
| 2. | 标准 B (120°C/h) |

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