Abstron IM17V

Acrylonitrile Butadiene Styrene

Bhansali Engineering Polymers Limited

Message:

Abstron IM17V is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.
Characteristics include:
Flame Rated
High Gloss
Impact Resistant

General Information			
Features	High Gloss Medium Impact Resistance		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	34	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)	108		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm, Injection Molded)	44.1	MPa	ASTM D638
Flexural Modulus [2] (6.40 mm, Injection Molded)	2160	MPa	ASTM D790
Flexural Strength [3] (6.40 mm, Injection Molded)	63.7	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	170	J/m	
23°C, 6.40 mm, Injection Molded	150	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load [4] (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	95.0	°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 85°C for 2 hr

Recommended distributors for this material

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