

Abstron IM11

Acrylonitrile Butadiene Styrene
Bhansali Engineering Polymers Limited

Message:

Abstron IM11 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.
Characteristics include:
Flame Rated
Impact Resistant
Rigid

General Information			
UL YellowCard	E149856-223705		
Features	High Impact Resistance		
	High Rigidity		
	Paintable		
Processing Method	Injection Molding		
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)	20	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)	113		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	43.1	MPa	ASTM D638
Flexural Modulus ² (6.40 mm, Injection Molded)	2210	MPa	ASTM D790
Flexural Strength ³ (6.40 mm, Injection Molded)	64.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	310	J/m	
23°C, 6.40 mm, Injection Molded	240	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	94.0	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

