

# Abstron IM14GL

Acrylonitrile Butadiene Styrene  
Bhansali Engineering Polymers Limited

Message:

Abstron IM14GL is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.  
Characteristics include:  
Flame Rated  
Chemical Resistant  
Impact Resistant  
Rigid

General Information			
Features	Good Chemical Resistance		
	High Rigidity		
	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)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	58.8	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (6.40 mm, Injection Molded)	2750	MPa	ASTM D790
Flexural Strength <sup>3</sup> (6.40 mm, Injection Molded)	80.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	230	J/m	
23°C, 6.40 mm, Injection Molded	170	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>4</sup> (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	97.0	°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

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#### 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

