

Abstron SE32

Acrylonitrile Butadiene Styrene

Bhansali Engineering Polymers Limited

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Technical Data

Product Description

Abstron SE32 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by pipe extrusion, profile extrusion, or sheet extrusion and is available in Asia Pacific. Applications of Abstron SE32 include plumbing/piping/potable water and sheet.

Characteristics include:

- Flame Rated
- Impact Resistant

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Bhansali Engineering Polymers Limited • Abstron		
Availability	• Asia Pacific		
Features	• High Impact Resistance		
Uses	• Piping	• Profiles	• Sheet
Processing Method	• Pipe Extrusion	• Profile Extrusion	• Sheet Extrusion

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.04 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60 %	ASTM D955
Mechanical	Nominal Value Unit	Test Method
Tensile Strength ³		ASTM D638
Yield, 3.20 mm, Injection Molded	38.2 MPa	
Flexural Modulus ⁴ (6.40 mm, Injection Molded)	1860 MPa	ASTM D790
Flexural Strength ⁴		ASTM D790
Yield, 6.40 mm, Injection Molded	55.9 MPa	
Impact	Nominal Value Unit	Test Method
Notched Izod Impact		ASTM D256
23°C, 3.20 mm, Injection Molded	450 J/m	
23°C, 6.40 mm, Injection Molded	350 J/m	
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness		ASTM D785
R-Scale, Injection Molded	106	
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load ⁵		ASTM D648A
1.8 MPa, Annealed, 6.40 mm, Injection Molded	92.0 °C	
Flammability	Nominal Value Unit	Test Method
Flame Rating (3.2 mm)	HB	UL 94

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Type I, 5.0 mm/min

⁴ 5.0 mm/min

⁵ Annealed at 85°C for 2 hr

