

SILVER® SA-1101

Styrene Butadiene Styrene Block Copolymer
Guangdong Silver Age Sci & Tech. Co., Ltd

Message:

SILVER® SA-1000 elastomer is a kind of thermoplastic elastomer comprising of unsaturated styrene—butadiene rubber for indoor room temperature applications, such as toys, clear product, bearing seals and sole, which is similar to thermoset rubber in physical properties. And SA—1000 elastomer can be injected or extruded on thermoplastic equipment.

SA—1000 Elastomer (Unsaturated Styrene—butadiene Rubber)

Characteristics:
similar to thermoset rubber in physical properties

Applications:
toys, seal ring, cushion blocking, insole, sole, fender board, cap of pen, truckle, tire and so on

General Information			
Features	Copolymer		
Uses	Caps		
	Footwear		
	Seals		
	Tires		
	Toys		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (180°C/2.16 kg)	34	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	3.60	MPa	ASTM D638
Tensile Elongation ² (Break)	> 450	%	ASTM D638
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 to 190	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 190	°C	
NOTE			
1.	500 mm/min		
2.	500 mm/min		

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