

# S.O.E.™ SS9000

Styrene Butadiene Block Copolymer  
AKelastomers

Message:

S.O.E.™ is a new hydrogenated styrenic elastomer based on Asahi's advanced polymerization and hydrogenation technologies, that open the way to new concepts, developments, and solutions in plastic products.  
Its unique characteristics have brought fast-rising demand in rapidly expanding applications.

General Information			
Features	Good Abrasion Resistance		
	Good Flexibility		
	Good Wear Resistance		
	Good Weather Resistance		
	High Clarity		
	Low Density		
	Scratch Resistant		
Uses	Asphalt Modification		
	Foam		
	Hose		
	Tubing		
Forms	Pellets		
Processing Method	Blow Molding		
	Calendering		
	Casting		
	Extrusion		
	Foam Processing		
Physical	Nominal Value	Unit	Test Method
Density	0.988	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.6	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	80		
Shore A, 10 sec	67		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup>			ISO 37
100% Strain	5.10	MPa	
200% Strain	6.90	MPa	

300% Strain	8.00	MPa	
Tensile Stress <sup>2</sup> (Yield)	12.0	MPa	ISO 37
Tensile Elongation <sup>3</sup> (Break)	480	%	ISO 37
Additional Information	Nominal Value	Unit	Test Method
Dunlop Rebound Resilience (23°C)	12	%	BS 903
NOTE			
1.	Type 3, 500 mm/min		
2.	Type 3, 500 mm/min		
3.	Type 3, 500 mm/min		

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#### Recommended distributors for this material

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