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/cm³	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 [1]			ISO 37
100% Strain	5.10	MPa	
200% Strain	6.90	MPa	

300% Strain	8.00	MPa	
Tensile Stress [2] (Yield)	12.0	MPa	ISO 37
Tensile Elongation [3] (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		

Recommended distributors for this material

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