



Lion Elastomers LLC

1615 Main Street • P.O. Box 667 • Port Neches, TX 77651
800 / 535-9960 • www.lionelastomers.com

SBR 1009 Elastomer

Product Data

Hot polymerized SBR 1009 is recommended for use in calendared products such as slab soling for footwear, and in extruded mechanical goods where smoothness and controlled shrinkage are critical requirements. It is also widely used in sealants and adhesives.

Unique Features

- ▶ Hot polymerized SBR terpolymer
- ▶ *Moderate* crosslinking reduces shrinkage
- ▶ Enables dimensional stability

Applications

- ▶ Calendared and extruded mechanical rubber goods
- ▶ Adhesives and sealants with improved shear strength

Typical Properties

<u>Property</u>	<u>Test Method*</u>	<u>Typical</u>
Mill shrinkage, %	—	35 Max.
Solution viscosity, cP (4% Toluene solution)	—	120 - 400
Bound Styrene, Weight %	—	22.5 – 24.5
Organic acid, Weight %	—	4.0 – 6.0
Soap, Weight %	—	0.5 Max.
Ash, Weight %	—	1.5 Max.
Volatile matter, Weight %	ZS 1008K	0.75 Max.
Emulsifier	—	Fatty acid
Coagulant	—	Acid
Stabilizer	—	Non-Staining
Specific gravity, g/cc (bale).....	ASTM D-792	0.94
Color	—	Off White
Physical form**, lbs/bale	—	70.0 (32 kg)

SBR 1009 is a hot polymerized SBR terpolymer effective as a processing aid to reduce shrinkage and facilitate smoothness of calendared stocks, and to produce well defined extrusions of dimensional stability. It is generally used in levels of 10 - 30% of the total rubber content of a formulation.

* Company Test Methods

** This product is available in 70 lb rectangular bales individually wrapped in 1.5 mil, low melting point film and shipped in two cell cardboard containers.

Note: Antioxidant is added to this polymer to provide protection during manufacture and storage. The end user's process may require additional antioxidant protection.

Notice: All information supplied by or on behalf of Lion Elastomers LLC in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Lion Elastomers LLC assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use made of the aforementioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to Lion Elastomers LLC for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.