



Lion Elastomers LLC

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SBR 1009AF Elastomer

Product Data

Hot polymerized SBR 1009AF is used in spray applied adhesives, calendared products, and extruded mechanical goods where smoothness and controlled shrinkage are critical requirements.

Unique Features

- ▶ Hot polymerized SBR terpolymer
- ▶ *Highly* crosslinked for maximum dimensional stability
- ▶ Eliminates cob-webbing in mist/spray adhesives

Applications

- ▶ Spray adhesives
- ▶ Calendared and extruded mechanical rubber goods

Typical Properties

<u>Property</u>	<u>Test Method*</u>	<u>Typical</u>
Mill shrinkage, %	—	10 Max.
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	1.0 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 1009AF is a hot polymerized SBR terpolymer used commonly in spray adhesive applications. It is exceptionally effective as a processing aid to reduce shrinkage and facilitate smoothness of calendared stocks, and to produce well defined extrusions with outstanding dimensional stability. Typical use levels are 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.

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