



Lion Elastomers LLC

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SBR 1012 Elastomer

Product Data

Hot polymerized SBR 1012 elastomer is particularly useful as a binder for fibrous materials. It imparts increased cohesive strength when added to an adhesive mixture.

Unique Features

- ▶ Hot polymerized styrene-butadiene elastomer
- ▶ Broad molecular weight makes dissolving easier
- ▶ High Mooney and higher solution viscosity

Applications

- ▶ Binder for fibrous materials
- ▶ Pressure sensitive and tape adhesives
- ▶ General purpose adhesives

Typical Properties

<u>Property</u>	<u>Test Method*</u>	<u>Typical</u>
Mooney viscosity, MML 1+4 (100°C)	—	105 - 135
Solution viscosity, cP (aged, 4% Toluene solution)	—	500 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 1012 elastomer is used as a binder for fibrous materials. It imparts increased cohesive strength when added to an adhesive mixture. Also available in crumb form.

* 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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