



Lion Elastomers LLC

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

SBR 1012C Elastomer

Product Data

Hot polymerized SBR 1012C 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
- ▶ Tape and 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 |
| Total dust, Weight % (Calcium Carbonate) | — | 5.0 – 11.0 |
| Specific gravity, g/cc (crumb)..... | ASTM D-792 | 0.99 |
| Color | — | Off White |
| Physical form**, crumb lbs/box | — | 40.0 (18 kg) |

SBR 1012C elastomer is produced in free flowing crumb form which eliminates the need for milling, cutting, or grinding equipment. The crumb particles retain the porous nature of the coagulated rubber and can be dissolved in a solvent faster than milled or pelletized bale rubber.

* Company Test Methods

** This product is available in crumb form in 40 lb boxes.

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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