



Lion Elastomers LLC

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SBR 1006C Elastomer

Product Data

Hot polymerized SBR 1006C elastomer is used in applications such as adhesives, mechanical rubber goods, floor tile, cove base and brake friction products.

Unique Features

- ▶ Hot polymerized styrene-butadiene elastomer
- ▶ Broad molecular weight makes dissolving easier
- ▶ Accepts higher filler loadings
- ▶ Light colored and general purpose

Applications

- ▶ General purpose adhesives
- ▶ Mechanical rubber goods and floor tile
- ▶ Binder for brake friction products

Typical Properties

| <u>Property</u> | <u>Test Method*</u> | <u>Typical</u> |
|------------------------------------------------|---------------------|----------------|
| Mooney viscosity, MML 1+4 (100°C) | — | 44 - 54 |
| 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 |
| 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 | — | 50.0 (23 kg) |

SBR 1006C 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 50 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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