

Polimeri Europa Intol® 1509 Emulsion Styrene-Butadiene Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Styrene Butadiene Rubber

Material Notes:

Intol® 1509 is an emulsion styrene-butadiene rubber obtained by cold polymerization using a mixture of rosin acid and fatty acid soaps as emulsifiers. A non-staining antioxidant is added during the production process. Key Features: E-SBR is a general purpose rubber characterized by good processability, mechanical properties and abrasion resistance. It has limited resistance to oil and weather but properly compounded, it is suitable for use in outdoor applications. Intol® 1509 exhibits an enhanced processability and easier incorporation of high filler loading. The low viscosity makes this particularly suitable for injection molding applications. Main Applications: Footwear, microcellular soles, carpet underlay, injection molded, extruded and calendered goods. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Intol-1509-Emulsion-Styrene-Butadiene-Rubber.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------|---------------------------|------------|
| Volatiles | <= 0.75 % | <= 0.75 % | ASTM D5668 |
| Mooney Viscosity | 32 @Temperature 100 °C | 32 @Temperature 212 °F | ASTM D1646 |
| Ash | <= 0.50 % | <= 0.50 % | ASTM D5667 |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|-------------------|
| Styrene Content | 23.5 % | 23.5 % | Bound; ASTM D5775 |

| Descriptive Properties | Value | Comments |
|------------------------|-----------|------------|
| Oil Content (phr) | 37.5 | ASTM D5774 |
| Organic Acid | 6% wt | ASTM D5774 |
| Soap | < 0.5% wt | |

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