



Lion Copolymer Geismar, LLC

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Royalene® 510 EPDM

Product Data

"A High Ethylene Polymer with Good Green Strength
for Wire and Cable and Extruded Profiles"

Unique Features

- ▶ Excellent Dry and Wet Electrical Stability
- ▶ Highly Extendable
- ▶ Very High Green Strength over a Broad Temperature Range

Applications

- ▶ Flexible Cord and Ignition Wire Insulations
- ▶ Automotive
- ▶ Hose Tubes
- ▶ Weatherstrip
- ▶ Thermoplastics Compounds/TPV

Raw Polymer Properties

| | Test Method* | Typical |
|---|--------------|------------------------------|
| Mooney Viscosity, ML (1+4)/125°C (Unmilled) | ZS 1220B | 65 |
| E/P Weight Ratio..... | ZS 1231 | 75/25 |
| ENB, Weight % | ZS 1222 | 4.5 |
| Molecular Weight Distribution..... | ZS 1296A | Narrow |
| Volatile Matter, Weight %..... | ZS 1008K | 1.0 Max. |
| Stabilizer | — | Non-Staining |
| Specific Gravity, g/cc..... | ASTM D-792 | 0.86 |
| Color | ZS 1072A | Off-White |
| Physical Form, lbs/bale | — | 55.1 (25 kg) Friable bale |

* Company Test Methods

Royalene® 510 has FDA Compliance with several FDA titles, including 21CFR: §177.2600, rubber articles intended for repeated use. Consult the FDA title for use and restrictions. See also the Royalene FDA Summary for other FDA titles.

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