



Lion Copolymer Geismar, LLC

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Royalene® 301T EPDM

Product Data

"A DCPD Polymer for Electrical Insulation and Blends for Tire and Inner Tube Applications"

Unique Features

- ▶ Excellent dry and wet electrical stability
- ▶ Functions as a non-staining polymeric antiozonant in blends with NR, SBR and other diene polymers
- ▶ Excellent low temperature properties
- ▶ Provides ozone and heat resistance in blends with butyl and diene polymers

Applications

- ▶ Medium voltage power cable insulations
- ▶ In blends with diene elastomers for coverstrips, white sidewalls of bias and radial tires
- ▶ In blends with butyl rubber to improve heat and ozone resistance for inner tubes
- ▶ Extruded profiles

Raw Polymer Properties

	Test Method*	Typical
Mooney Viscosity, ML (1+4)/125°C (Milled)	ZS 1223B	40
E/P Weight Ratio.....	ZS 1231	67/33
DCPD, Weight %	ZS 1222	3.1
Molecular Weight Distribution.....	ZS 1296A	Broad
Volatile Matter, Weight %.....	ZS 1008K	1.0 Max.
Stabilizer	—	Non-Staining
Specific Gravity, g/cc.....	ASTM D-792	0.87
Color	ZS 1072A	Light Amber
Physical Form, lbs/bale	—	55.1 (25 kg) (Dense bale)

Royalene® 301T 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.

* Company Test Methods
Royalene 301T

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