

Product Data Sheet

Royalene™ 301T EPDM

Unique Features

- Royalene™ 301T EPDM is a DCPD polymer for electrical insulation and blends for tire and inner tube applications 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
- Suitable for food contact applications. See Royalene™ FDA compliance summary for details

Applications

- Medium voltage power cable insulations
- In blends with diene elastomers for cover strips, 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

Property	Typical Value	Units	Test Methods*
Mooney Viscosity, ML (1+4) / 125°C (Milled)	40	MU	ZS 1223B
E/P Weight Ratio	67/33	—	ZS1231
Ethylene	64.9	wt%	ZS 1231
DCPD	3.1	wt%	ZS 1222
Molecular Weight Distribution	Broad	—	ZS 1296A
Volatile Matter	1.0 Max	wt%	ZS 1008K
Stabilizer	Non-Staining	—	—
Specific Gravity	0.87	g/cm ³	ASTM D792
Color	Light Amber	—	ZS 1072A
Physical Form	25 (Dense bale)	kg/bale	—

* Internal Test Methods

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