

# Royalene® 301T

Ethylene Propylene Diene Terpolymer

Lion Copolymer, LLC

Message:

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

General Information			
Features	Wide molecular weight distribution		
	Good electrical performance		
	Ozone resistance		
	Low temperature resistance		
	Heat resistance, medium		
Uses	Tires		
	Wire and cable applications		
	Pipe fittings		
	Mixing		
	Profile		
	Medium voltage insulation		
Agency Ratings	FDA 21 CFR 177.2600		
	FDA not rated		
Appearance	Amber		
Forms	bag		
Processing Method	Extrusion		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.870	g/cm <sup>3</sup>	ASTM D792
Mooney Viscosity <sup>1</sup> (ML 1+4, 125°C)	40	MU	Internal method
Stabilizer	Non-staining		
Molecular Weight Distribution	Broad		Internal method

Volatile Matter	wt%	Internal method
Additional Information		
E/P weight ratio, internal standard ZS 1231: 67/33DCPD weight, internal standard ZS 1222: 3.1%		
NOTE		
1.	Milled	

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