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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 and Specifications

	Test Method*	Min.	Max.	Typical
Mooney Viscosity, ML (1+4)/125°C (Milled)	ZS 1223B	33	46	—
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	—
Ash, Weight %	ZS 1005	—	0.15	—
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)
Packaging, lbs/skid (Net)	—	—	—	1157 (525 kg)

* Company Test Methods
R-301T/mef

ASP-3563E
tlj/rfo-03/2007

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