



Lion Copolymer Geismar, LLC

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Royalene® 509 EPDM

Product Data

" An Ultra Fast Curing Polymer for Sponge and Dense Extrusions "

Unique Features

- ▶ High unsaturation - Ultra fast cure rate
- ▶ High Ethylene - Maintains short mixing cycles and good green strength properties even when extended with high level of filler and plasticizer
- ▶ Excellent extruded profile shape stability
- ▶ Friable bale form provides excellent dispersion properties
- ▶ Non-staining
- ▶ Excellent weathering resistance
- ▶ Co-cures well with SBR

Applications

- ▶ Super soft closed cell sponge profile extrusions
- ▶ Dense profile extrusions
- ▶ Closed cell sheet sponge
- ▶ Blends with lower ethylene or lower plasticity polymers to improve green strength

Raw Polymer Properties

	Test Method*	Typical
Mooney Viscosity, ML (1+4)/125°C (Milled)	ZS 1223B	55
E/P Weight Ratio.....	ZS 1231	71/29
ENB, Weight %	ZS 1222	8.0
Molecular Weight Distribution.....	ZS 1296A	Medium
Volatile Matter, Weight %.....	ZS 1008K	0.7 Max.
Stabilizer	—	Non-Staining
Specific Gravity, g/cc.....	ASTM D-792	0.87
Color	ZS 1072A	Light Amber
Physical Form, lbs/bale	—	59.5 (27 kg) (Friable bale)

* Company Test Methods

R-509/mef

HWY 5/18

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