



Lion Copolymer Geismar, LLC

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Royalene® 505 EPDM

Product Data

" A General Purpose Sponge and Tire Polymer "

Unique Features

- ▶ High unsaturation - Ultra fast cure rate
- ▶ Medium range plasticity allows for use in both extrusion and molding applications
- ▶ Co-cures well with SBR and NR
- ▶ Non-staining
- ▶ Excellent low temperature properties and weathering resistance
- ▶ Mixes quickly in internal mixers with excellent dispersion

Applications

- ▶ Closed cell sponge profile extrusions
- ▶ Closed cell sheet sponge
- ▶ Automotive closed cell sponge molded weatherstrip assembly corners
- ▶ Molded open cell sponge
- ▶ Tire components, such as coverstrips, white sidewalls and black sidewalls, in blends with diene polymers

Raw Polymer Properties

	Test Method*	Typical
Mooney Viscosity, ML (1+4)/125°C (Unmilled)	ZS 1220B	55
E/P Weight Ratio.....	ZS 1231	60/40
ENB, Weight %	ZS 1222	8.0
Molecular Weight Distribution.....	ZS 1296A	Narrow
Volatile Matter, Weight %.....	ZS 1008K	0,7 Max.
Stabilizer	—	Non-Staining
Specific Gravity, g/cc.....	ASTM D-792	0.86
Color	ZS 1072A	Light Amber
Physical Form, lbs/bale	—	55.1 (25 kg) (Dense bale)

* Company Test Methods

R-505/mef

HWY 5/18

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