



Lion Copolymer Geismar, LLC

36191 Highway 30 • Geismar, LA 70734  
800 / 535-9960 • www.lionelastomers.com

# 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	White/off-white
Physical Form, lbs/bale .....	—	55.1 (25 kg) (Dense bale)

\* Company Test Methods

R-505/mef

ASP-3567K  
st-07/20

**Notice:** All information supplied by or on behalf of Lion Copolymer Geismar, LLC in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Lion Copolymer Geismar, LLC assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use made of the aforementioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to Lion Copolymer Geismar, LLC for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.