



Lion Elastomers LLC

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

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

ASP-1174F
vv/rfo-04/16

Notice: All information supplied by or on behalf of Lion Elastomers LLC in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Lion Elastomers 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 Elastomers 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.