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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 and Specifications

	Test Method*	Min.	Max.	Typical
Mooney Viscosity, ML (1+4)/125°C (Milled)	ZS 1223B	50	60	—
E/P Weight Ratio.....	ZS 1231	—	—	71/29
ENB, Weight % .....	ZS 1222	—	—	8
Molecular Weight Distribution .....	ZS 1296A	—	—	Medium
Volatile Matter, Weight %.....	ZS 1008K	—	0.7	—
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-04/13

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