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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 and Specifications

	Test Method*	Min.	Max.	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
Molecular Weight Distribution .....	ZS 1296A	—	—	Narrow
Volatile Matter, Weight %.....	ZS 1008K	—	0.7	—
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

ASP-3567K  
vvv/rfo-04/2013

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