

Product Data Sheet

Royalene™ 505 EPDM

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.
- Suitable for food contact applications. See Royalene™ FDA compliance summary for details

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 cover strips, white sidewalls and black sidewalls, in blends with diene polymers.

Raw Polymer Properties

Property	Typical Value	Units	Test Methods*
Mooney Viscosity, ML (1+4) / 125°C (Unmilled)	55	MU	ZS 1220B
E/P Weight Ratio	60/40	—	ZS1231
Ethylene	55	wt%	ZS 1231
ENB	8.0	wt%	ZS 1222
Molecular Weight Distribution	Narrow	—	ZS 1296A
Volatile Matter	0.7 Max	wt%	ZS 1008K
Stabilizer	Non-Staining	—	—
Specific Gravity	0.86	g/cm ³	ASTM D-792
Color	White/off white	—	ZS 1072A
Physical Form	25 (Dense bale)	kg/bale	—

* Internal Test Methods

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