

Product Data Sheet

Royalene™ 645 EPDM

Unique Features

- Very high Molecular weight
- Ultra-fast curing
- Improved abrasion resistance
- High tensile strength and high tear resistance
- High wrinkle resistance while maintaining soft compression deflection
- Excellent green strength for extruded profile shape stability
- Rapid Banbury mixing and excellent dispersion properties
- Extended with a white, hydrotreated paraffinic oil

Applications

- TPO and TPV
- Automotive closed cell sponge extrusions and molded sponge corners
- Closed cell sheet sponge
- Dynamic applications

Raw Polymer Properties

Property	Typical Value	Units	Test Methods*
Mooney Viscosity, ML (1+4)/125°C (Unmilled)	48	MU	ZS 1220B
E/P Weight Ratio	66/34	—	ZS 1231
Ethylene	60.4	wt%	ZS 1231
ENB	8.5	wt%	ZS 1222
Oil Extension	75	phr	ZS 1297
Volatile Matter	0.7 Max.	wt%	ZS 1008K
Stabilizer	Non-Staining	—	—
Specific Gravity	0.88	g/cm ³	ASTM D-792
Color	Off White	—	ZS 1072A
Physical Form	25 (Dense bale)	kg/bale	—

* Internal Test Methods

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