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# Royalene® 645 EPDM

# Product Data

"A High Performance Sponge Polymer "

### 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 and Specifications

	Test Method*	Min.	Max.	Typical
Mooney Viscosity, ML (1+4)/125°C (Unmilled)	ZS 1220B	43	53	—
E/P Weight Ratio.....	ZS 1231	—	—	66/34
ENB, Weight % .....	ZS 1222	—	—	8.5
Molecular Weight Distribution .....	ZS 1296A	—	—	Medium
Oil Extension, phr (Paraffinic) .....	ZS 1297	—	—	75
Volatile Matter, Weight %.....	ZS 1008K	—	0.7	—
Stabilizer .....	—	—	—	Non-Staining
Specific Gravity, g/cc .....	ASTM D-792	—	—	0.88
Color .....	ZS 1072A	—	—	Off-White
Physical Form, lbs/bale (Dense bale) .....	—	—	—	55.1 (25 kg)

\* Company Test Methods  
R-645/mef

ASP-R163D  
tlj/rfo-04/13

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