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## Royalene® 697 EPDM

## Product Data

" A Highly Extendable ENB Polymer with Heavy Hydrotreated Paraffinic Oil  
for TPO/TPV and Thermoset Applications "

### Unique Features

- ▶ Blends readily in TPO compounds
- ▶ Reduces mixing time in highly loaded TPO compounds
- ▶ Highly extendable
- ▶ Good aging properties
- ▶ Improved shape retention for hose tube and other extrusions
- ▶ Very high molecular weight base polymer
- ▶ High green strength over a broad temperature range
- ▶ Useful for making low hardness compounds

### Applications

- ▶ TPO and TPV
- ▶ Automotive applications
- ▶ Mechanical goods
- ▶ Hose tubes
- ▶ Profile extrusions

### Raw Polymer Properties and Specifications

	Test Method*	Min.	Max.	Typical
Mooney Viscosity, ML (1+4)/125°C (Unmilled)	ZS 1220B	40	55	—
E/P Weight Ratio.....	ZS 1231	—	—	70/30
ENB, Weight % .....	ZS 1222	—	—	4.5
Molecular Weight Distribution .....	ZS 1296A	—	—	Medium
Oil Extension, phr (Light-colored Paraffinic) ...	ZS 1297	—	—	100
Volatile Matter, Weight %.....	ZS 1008K	—	1.0	—
Ash, Weight % .....	ZS 1005	—	0.15	—
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)
Packaging, lbs/skid (Net) .....	—	—	—	1984 (900 kg)

\* Company Test Methods

R-4697/mef

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