



Lion Copolymer Geismar, LLC

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Royalene® 674 EPDM

Product Data

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

Unique Features

- ▶ Blends readily with polyolefins for TPO and TPV compounds
- ▶ Provides enhanced compression set and good color in TPV
- ▶ Highly extendable
- ▶ Good aging properties
- ▶ Good shape retention in extruded applications
- ▶ Very high molecular weight base polymer
- ▶ High green strength over a broad temperature range
- ▶ Useful for making low hardness compounds
- ▶ Extended with a white, hydrotreated paraffinic oil

Applications

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

Raw Polymer Properties

	Test Method*	Typical
Mooney Viscosity, ML (1+4)/125°C (Un-milled)	ZS 1220B	53
E/P Weight Ratio	ZS 1231	63/37
Ethylene, Weight %	ZS 1231	60.2
ENB, Weight %	ZS 1222	4.5
Molecular Weight Distribution	ZS 1296A	Medium
Oil Extension, phr (Hydrotreated Paraffinic)....	ZS 1297	75
Volatile Matter, Weight %	ZS 1008K	0.8 Max.
Stabilizer	—	Non-Staining
Specific Gravity, g/cc.....	ASTM D-792	0.87
Color	ZS 1072A	Off-white
Physical Form, lbs/bale (Dense bale)	—	55.1 (25 kg)

* Company Test Methods

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