

Product Data Sheet

Royalene™ 677 EPDM

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

Property	Typical Value	Units	Test Methods*
Mooney Viscosity, ML (1+4) / 125°C (Unmilled)	50	MU	ZS 1220B
E/P Weight Ratio	70/30	—	ZS 1231
Ethylene	66.8	wt%	ZS 1231
ENB	4.5	wt%	ZS 1222
Molecular Weight Distribution	Medium	—	ZS 1296A
Oil Extension	100	phr	ZS 1297
Volatile Matter	1.0 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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