

Product Data Sheet

Royalene™ 400 EPDM

Unique Features

- Very high molecular weight base polymer
- Highly extendable
- Extended with a light-colored paraffinic oil plasticizer
- Good green strength for shape retention on extrusion
- Excellent for making low hardness compounds
- Extended with a white, hydrotreated paraffinic oil

Applications

- Low durometer compounds
- TPO and TPV
- Profile Extrusions
- Blends with butyl rubber for tubes
- Low-cost flexible cord and ignition wire insulations
- Dispersions
- Cable filler compounds

Raw Polymer Properties

Property	Typical Value	Units	Test Methods*
Mooney Viscosity, ML (1+4) / 125°C (Unmilled)	37	MU	ZS 1220B
E/P Weight Ratio	67/33	—	ZS 1231
Ethylene	65	wt%	ZS 1231
DCPD	3.0	wt%	ZS 1222
Molecular Weight Distribution	Broad	—	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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