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Royalene® 400 EPDM

Product Data

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

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

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 and Specifications

	Test Method*	Min.	Max.	Typical
Mooney Viscosity, ML (1+4)/125°C (Unmilled)	ZS 1220B	32	45	—
E/P Weight Ratio.....	ZS 1231	—	—	67/33
DCPD, Weight %	ZS 1222	—	—	3
Molecular Weight Distribution	ZS 1296A	—	—	Broad
Oil Extension, phr (Light-colored Paraffinic) ..	ZS 1297	—	—	100
Volatile Matter, Weight %.....	ZS 1008K	—	1.0	—
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-400/mef

ASP-3564G
rfo-04/13

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