

Royalene® 400

Ethylene Propylene Diene Terpolymer

Lion Copolymer, LLC

Message:

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
- 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

General Information			
Features	Ultra high molecular weight		
	Oil-filled		
	Wide molecular weight distribution		
	Good flexibility		
	Hardness, low		
Uses	Thermoforming Applications		
	Wire and cable applications		
	Composite		
	Pipe fittings		
	Mixing		
	Profile		
Agency Ratings	FDA 21 CFR 177.2600		
	FDA not rated		
Appearance	White-like		
Forms	bag		
Processing Method	Extrusion		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D792

Mooney Viscosity ¹ (ML 1+4, 125°C)	37	MU	Internal method
Oil Type (Paraffinic Oil)	100.0	phr	Internal method
Stabilizer	Non-staining		
Molecular Weight Distribution	Broad		Internal method
Volatile Matter		wt%	Internal method

Additional Information

E/P weight ratio, internal standard ZS 1231: 67/33DCPD weight, internal standard ZS 1222: 3%

NOTE

1. Unmilled

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

