

Royalene® 505

Ethylene Propylene Diene Terpolymer

Lion Copolymer, LLC

Message:

A General Purpose Sponge and Tire Polymer

Unique Features

High unsaturation - Ultra fast cure rate

Medium range plasticity allows for use in both extrusion and molding applications

Co-cures well with SBR and NR

Non-staining

Excellent low temperature properties and weathering resistance - Mixes quickly in internal mixers with excellent dispersion

Applications

Closed cell sponge profile extrusions

Closed cell sheet sponge

Automotive closed cell sponge molded weatherstrip assembly corners

Molded open cell sponge

Tire components, such as coverstrips, white sidewalls and black sidewalls, in blends with diene polymers

General Information			
Features	Fast curing		
	Low temperature resistance		
	Good weather resistance		
	Narrow molecular weight distribution		
Uses	Tires		
	Weather-resistant sealing strip		
	Application in Automobile Field		
	Profile		
Appearance	Amber		
Forms	bag		
Processing Method	Extrusion		
	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.860	g/cm ³	ASTM D792
Mooney Viscosity ¹ (ML 1+4, 125°C)	55	MU	Internal method
Ethylidene Norbornene (ENB) Content	8.0	wt%	Internal method
Stabilizer	Non-staining		
Molecular Weight Distribution	Narrow		Internal method
Volatile Matter		wt%	Internal method
Additional Information			
E/P weight ratio, internal standard ZS 1231: 60/40			

NOTE

1. Unmilled

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