

Royalene® 509

Ethylene Propylene Diene Terpolymer

Lion Copolymer, LLC

Message:

An Ultra Fast Curing Polymer for Sponge and Dense Extrusions

Unique Features

High unsaturation - Ultra fast cure rate

High Ethylene - Maintains short mixing cycles and good green strength properties even when extended with high level of filler and plasticizer

Excellent extruded profile shape stability

Friable bale form provides excellent dispersion properties

Non-staining

Excellent weathering resistance

Co-cures well with SBR

Applications

Super soft closed cell sponge profile extrusions

Dense profile extrusions

Closed cell sheet sponge

Blends with lower ethylene or lower plasticity polymers to improve green strength

General Information			
Features	Good dimensional stability		
	Fast curing		
	Good strength		
	Good weather resistance		
	Soft		
	Medium wide molecular weight distribution		
Uses	Mixing		
	Sheet		
	Profile		
Appearance	Amber		
Forms	bag		
Processing Method	Extrusion		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.870	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	Medium		Internal method
Volatile Matter		wt%	Internal method
Additional Information			

NOTE

1. Milled

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