



Lion Copolymer Geismar, LLC

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Royaltherm® High Performance Elastomer Product Data

Royaltherm® 1411A

Royaltherm 1411A is a modified EPDM with a special silicone rubber.

Royaltherm 1411A is supplied as a base compound that can be vulcanized with peroxides or sulfur/accelerator systems. Royaltherm 1411A is 30 - 40 Durometer when vulcanized with 1.8 phr of dicumyl peroxide. It can be blended with Royaltherm 1721 for intermediate hardness applications.

Royaltherm 1411A is recommended for applications that require lower tensile strength than Royaltherm 1721. Royaltherm 1411A is also recommended for applications that require retention of mechanical strength at elevated temperatures, weather and moisture resistance, electrical stability and compression recovery at low temperatures.

	Test Procedure	Specification	
		Min.	Max.
Mooney Viscosity ML 1+4 at 100° C	ASTM D 1646	27	37
Specific Gravity	ASTM D 792/ISO 1183	0.96	1.02
Color	Visual	Off-White	
Original Physical Properties			
Peroxide-cured (ASTM D 412)		Typical	
Press-cured 10 min at 170° C			
Tensile Strength, MPa		7.0 min.	
Elongation, %		700 min.	
Hardness, Durometer A		30	40
Formulation:	Royaltherm 1411A	100 parts	
	Dicumyl Peroxide	1.8 parts	

RV(1/21)

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