



Lion Elastomers 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	0.94	1.10
Color	Visual	Off-White	

### Original Physical Properties

**Peroxide-cured** (ASTM D 412)

Press-cured 10 min at 170° C

### Typical

Tensile Strength, MPa	7.0 min.
Elongation, %	700 min.
Hardness, Durometer A	30      40

Formulation:    Royaltherm 1411A                    100 parts  
                      Dicumyl Peroxide                        1.8 parts

ASP-R170B  
rfo 02/15

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