



Lion Copolymer Geismar, LLC

36191 Highway 30 • Geismar, LA 70734  
800 / 535-9960 • [www.lionelastomers.com](http://www.lionelastomers.com)

## Royaltherm® High Performance Elastomer Product Data

### Royaltherm® 1721

Royaltherm 1721 is a modified EPDM with a special silicone rubber.

Royaltherm 1721 is supplied as a base compound that can be vulcanized with peroxides or sulfur/accelerator systems. Royaltherm 1721 is 55 - 65 Durometer when vulcanized with 1.8 phr of dicumyl peroxide. It can be blended with Royaltherm 1411 for intermediate hardness applications.

Royaltherm 1721 is recommended for applications that require higher tensile strength than Royaltherm 1411. Royaltherm 1721 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	50	65
Specific Gravity	ASTM D 792/ISO 1183	1.11	1.17
Color	Visual	Off-White	

#### Original Physical Properties

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

**Typical**

Press-cured 10 min at 170° C

Tensile Strength, MPa	10.0 min.
Elongation, %	500 min.
Hardness, Durometer A	55      65

Formulation:    Royaltherm 1721                      100 parts  
                      Dicumyl Peroxide                      1.8 parts

RV(1/21)

**Notice:** All information supplied by or on behalf of Lion Copolymer Geismar, LLC in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Lion Copolymer Geismar, LLC assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use made of the aforementioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to Lion Copolymer Geismar, LLC for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.