

Royaltherm® 1721

Ethylene Propylene Diene Terpolymer

Lion Copolymer, LLC

Message:

Royaltherm 1721 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.

General Information			
Features	Good Weather Resistance		
	High Heat Resistance		
	Moisture Resistant		
	Vulcanizable		
Uses	Blending		
Appearance	Off-White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11 to 1.17	g/cm ³	ASTM D792, ISO 1183
Mooney Viscosity (ML 1+4, 100°C)	50 to 65	MU	ASTM D1646
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ¹ (Shore A)	55 to 65		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	> 10.0	MPa	ASTM D412
Tensile Elongation (Break)	> 500	%	ASTM D412
NOTE			
1.	Peroxide-cured		

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