

LIM™ 6041

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

LIM6041 liquid silicone rubber is a 2 component Radio - Opaque product formulated with Barium Sulfate. It is used in liquid injection molding of high performance elastomeric parts. The combination of excellent tear strength and very high tensile strength makes this product suitable for a wide variety of applications in medical devices where molded parts can be detected under X-ray due it's radio opacity.

Key Features and Benefits

Barium Sulfate filled for excellent radio - opacity

Excellent tear strength

Convenient 1:1 mix ratio for use with automatic equipment

Rapid cure time: 10 to 40 seconds depending upon part size, configuration, and molding temperature

Wide range of molding temperatures: 1500C (3020F) to 2050C (4000F)

Excellent release from metal molds

Potential Applications

The combination of excellent tear strength and radio - opacity, it is suitable for applications in medical devices such as wound drain catheters, where molded parts can be detected under X-ray.

General Information		
Filler / Reinforcement	Barium Sulfate	
Features	Fast Cure	
	Good Mold Release	
	Good Tear Strength	
	High Tensile Strength	
Uses	Medical/Healthcare Applications	
Agency Ratings	BfR Food Contact, Unspecified Rating	
	FDA 21 CFR 177.2600	
	USP Class VI	
Appearance	Opaque	
Forms	Liquid	
Processing Method	Liquid Injection Molding (LIM)	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Uncured Properties	Nominal Value	Unit
Color	White	
Density	1.19	g/cm ³
Cured Properties	Nominal Value	Unit
Shore Hardness ¹ (Shore A)	44	
Tensile Strength ²	7.14	MPa
Tear Strength ³	33.9	kN/m

NOTE

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| 1. | As Molded 30 sec @ 177°C (350°F) |
| 2. | As Molded 30 sec @ 177°C (350°F) |
| 3. | As Molded 30 sec @ 177°C (350°F) |

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