

SQUARE® LIM1939-60A/B

Silicone Rubber, LSR
Shenzhen SQUARE Silicone Co., Ltd.

Message:

Liquid silicone rubber materials for pads

Product Description

LIM1939-35A/B and LIM1939-60A/B are 2-part liquid silicone rubber catalyzed by platinum with long usable life and excellent performance, suitable for injection molding processes.

Key Features

Meet US FDA CFR21. Part.177.2600 and EN 14350.2 and EU RoHS Atandard.

Outstanding weather resistance.

High tear strength.

Outstanding resistance to aging.

Low yellowing

The safe operating period is 5 days under airproof condition and 20 after mixing component A and B, the safe operating period will decrease with the increasing of the temperature.

Applications

Silicone pad for industrial parts

General Information			
Features	Good tear strength		
	Good weather resistance		
Uses	Industrial application		
Agency Ratings	FDA 21 CFR 177.2600		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	2.0	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	59		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set ¹	< 5	%	ASTM D412
Tensile Strength	> 7.50	MPa	ASTM D412
Tensile Elongation (Break)	> 400	%	ASTM D412
Tear Strength ²	> 35.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Component a	Mixing ratio by weight: 1.0		
Component B	Mixing ratio by weight: 1.0		
Pot Life (20°C)	7200	min	
Shelf Life	52	wk	
Uncured Properties	Nominal Value	Unit	Test Method

Viscosity	900	Pa·s	DIN 53019
Cured Properties	Nominal Value	Unit	Test Method
Rebound Resilience	> 60	%	
NOTE			
1.	C mould		
2.	B mould		

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