

SQUARE® LIM6909-40A/B

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

Message:

Silicone rubber for computer keyboard

Product Description

This series are 2-part translucent liquid silicone rubber suitable for injection molding processes, catalyzed by platinum (LIM6910-40A/B is long usable life type, LIM6909-40A/B is fast cured type).

Key Features

Good rebound property

Excellent thermal and cold stability (-60°C to 250°C)

Good fluidity, easy to be injected

Stable shrinkage rate

High tear strength

At the temperature of 20°C and in the condition of air-proof, the shelf life is 5 days after mixing A and B, the shelf life will decrease with the increasing of the temperature.

Application

The series are suitable for making lining of computer keyboard

General Information			
Features	Fast curing		
	Good liquidity		
	Good tear strength		
	Thermal stability, good		
Uses	Lining		
	Computer components		
Appearance	Translucent		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	43		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set ¹	1	%	ASTM D412
Tensile Strength	5.00	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength ²	15.0	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	60	Pa·s	DIN 53019
Curing Time (150°C)	0.17	hr	
NOTE			
1.	C mould		
2.	B mould		

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