

SQUARE® LIM1989-50A/B

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

Message:

Self-Adhesive liquid silicone rubber material

Product Description

Self-adhesive 50 shore A hardness, 2-part, mixing ratio of parts A:B=1:1, transparent, injection molding grade liquid silicone rubber.

Key Features

Self bonding grade

Good adhesion strength

Good mechanical strength

Excellent thermal and cold stability

Outstanding resistance to ageing

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

Applications

Overmolded parts with primerless

General Information			
Features	Good strength		
	Good adhesion		
	Thermal stability, good		
Uses	overmolding		
Appearance	Translucent		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	1.9	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	52		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set ¹	2	%	ASTM D412
Tensile Strength	8.00	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength ²	30.0	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			DIN 53019
-- ³	800	Pa·s	DIN 53019

-- 4	900	Pa·s	DIN 53019
Cured Properties	Nominal Value	Unit	Test Method
Rebound Resilience	60	%	
NOTE			
1.	C mould		
2.	B mould		
3.	Part B		
4.	Part A		

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Recommended distributors for this material

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