

SQUARE® LIM3900-50A/B

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

Message:

Liquid silicone rubber material for baby nipples

Product Description

SQUARE LIM3900-XXA/B is high transparence and tear strength, 2-part liquid silicone rubber suitable for injection molding processes, catalyzed by platinum.

Key Features

High transparence

High tear and tensile strength

Good rebound property

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

Low yellowing

Outstanding resistance to ageing

Meet US FDA CFR 21.Part.177.2600 and EN14350.2, the 4.9 test standard of volatile compound and Europe RoHS standard

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.

Applications

SQUARE® LIM39XXA/B is suitable for making baby nipples etc.

General Information			
Features	High tensile strength		
	Good tear strength		
	Definition, high		
	Thermal stability, good		
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
Specific Gravity	1.10	g/cm³	ASTM D792
Molding Shrinkage - Flow	2.0	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	9.00	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength ¹	30.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	25	%	DIN 53517
Thermoset	Nominal Value	Unit	Test Method
Pot Life (20°C)	7200	min	
Shelf Life	52	wk	
Uncured Properties	Nominal Value	Unit	Test Method

Viscosity	700	Pa·s	DIN 53019
NOTE			

1.	B mould
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Recommended distributors for this material


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