

SQUARE® LIM1960-60AEX/BEX

Silicone Rubber, LSR

Shenzhen SQUARE Silicone Co., Ltd.

Message:

Liquid silicone rubber materials for I Pad case and cellphone cover

Product Description

LIM1960-60AEX/BEX is 2-part liquid silicone rubber catalyzed by platinum with long life and high rebound performance, suitable for injection molding processes.

Key Features

Good rebound property.

Outstanding high/low Temperature 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

I PAD Case and cellphone cover

General Information			
Features	Good tear strength		
	Low temperature resistance		
	Heat resistance, high		
Uses	Mobile phone		
Appearance	Translucent		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	1.6 - 2.5	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	56 - 60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set ¹	< 5	%	ASTM D412
Tensile Strength	> 7.50	MPa	ASTM D412
Tensile Elongation (Break)	> 360	%	ASTM D412
Tear Strength ²	> 20.0	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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