

SQUARE® LIM1939-46AD/BD

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

Message:

Liquid silicone rubber materials for O-ring gasket

Product Description

LIM1939-XXA/B and LIM1919-XXA/B are 2-part liquid silicone rubber catalyzed by platinum with long usable life and excellent performance, suitable for injection molding processes.

Key Features

Outstanding oil or water - proof performance.

Outstanding weather resistance.

High tear strength.

Outstanding resistance to aging.

Low yellowing.

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

O-ring gasket for industrial sealed parts

General Information			
Features	Moisture resistance		
	Good tear strength		
	Good weather resistance		
	Oil resistance		
Uses	Washer		
	Industrial application		
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)	44		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set ¹	5	%	ASTM D412
Tensile Strength	9.28	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Tear Strength ²	27.9	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	1200	Pa·s	DIN 53019
-- ⁴	1300	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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