

# SQUARE® LIM1550-45A/B

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

Message:

Liquid silicone rubber material for composite insulator

Product Description

2-part catalyzed by platinum, high voltage resistant and low viscosity liquid silicone rubber, which is particularly suitable for producing composite insulator, mixing ratio of parts A:B=1:1, The appearance of A is transparent and B is grey.

Key Features

Low viscosity, be apt to injection molding

Long pot life

High dielectric strength

Excellent tracking resistance

Excellent surface hydrophobic property

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

Composite insulator

General Information			
Features	Hydrophobic		
	Low viscosity		
	Track Resistance		
Uses	Insulating material		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	2.1	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set <sup>1</sup>	2	%	ASTM D412
Tensile Strength	6.80	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength <sup>2</sup>	15.3	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	100	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- <sup>3</sup>	Clear/Transparent		

-- 4	Grey		
Viscosity	55	Pa·s	DIN 53019
Cured Properties	Nominal Value	Unit	Test Method
Rebound Resilience	72	%	
NOTE			
1.	C mould		
2.	B mould		
3.	Part A		
4.	Part B		

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Recommended distributors for this material

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