

# SQUARE® LIM1510-45A/B

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

Message:

Liquid silicone rubber material for outdoor medium and high voltage resistance terminal

Product Description

2-part liquid silicone rubber, which is particularly suitable for injection molding with tracking resistance 1A 3.5 grade, mixing ration of parts A:B=1:1, catalyzed by platinum. The appearance of A is transparent and B is grey.

Key Features

Injection molding

High tear strength

High elongation

Low tension set

Rapid vulcanization

Excellent tracking resistance

At the temperature of 20 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

Medium voltage cable accessories and Cable connectors

Indoor and outdoor cold shrink terminals

General Information			
Features	Fast curing		
	Good tear strength		
	Track Resistance		
	Extended tensile rate		
Uses	Electrical/Electronic Applications		
	Wire and cable applications		
	Connector		
	Outdoor application		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	35		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (300% strain, 120°C)	8	%	ASTM D412
Tensile Strength	8.50	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength <sup>1</sup>	30.0	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Constant (50 Hz)	2.80		IEC 60250

Dissipation Factor (50 Hz)	1.6E-3		IEC 60250
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
Color			
-- <sup>2</sup>	Clear/Transparent		
-- <sup>3</sup>	Grey		
Solids Content	100	%	
Viscosity	600	Pa·s	
Cured Properties	Nominal Value	Unit	Test Method
Tracking Resistance	1A4.5		IEC 60587
NOTE			
1.	B mould		
2.	Part A		
3.	Part B		

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#### Recommended distributors for this material

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