

# SQUARE® SSR1501-50A/B

Silicone

Shenzhen SQUARE Silicone Co., Ltd.

Message:

Two-part addition type solid silicone material for insulators

Product description

This product is one kind of 2-part solid silicone rubber, suitable for making cold shrink cable accessory by compression molding or injection molding, catalyzed by platinum.

Key Features

Outstanding anti-ageing and weathering resistance

High rebound and low tension set

High tear strength

High elongation

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

Excellent electric insulating property

Applications

Medium and high voltage resistant insulator. Cold shrink cable accessories (terminals, connectors and bushing) lightning arrester etc.

General Information			
Features	Insulation		
	Good tear strength		
	Good weather resistance		
	Thermal stability, good		
	Extended tensile rate		
Uses	Bushings		
	Wire and cable applications		
	High voltage insulation		
	Connector		
	Medium voltage insulation		
Appearance	Translucent		
Processing Method	Compression molding		
	Injection molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set <sup>1</sup>			ASTM D412
--	2	%	ASTM D412
300% strain, 120°C <sup>2</sup>	6	%	ASTM D412
Tensile Strength	8.00	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength <sup>3</sup>	40.0	kN/m	ASTM D624

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Dielectric Strength	26	kV/mm	IEC 60243-1
Thermoset	Nominal Value	Unit	
Shelf Life	100	wk	
Post Cure Time (200°C)	4.0	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (140°C)	0.17	hr	
NOTE			
1.	C mould		
2.	15hrs		
3.	B mould		

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#### Recommended distributors for this material

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