

SQUARE® LIM1500-40A/B

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

Message:

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

Product Description
2-part liquid silicone rubber, which is suitable for injection or extrusion molding with tracking resistance 1A 3.5 grade, mixing ration of parts A:B=1:1, with standing middle and high voltage, 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 electric performance

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 and high voltage resistant cable accessories, indoor cold shrink and terminal, tie-in and jacket etc suitable for injection and extrusion molding

General Information			
Features	Fast curing		
	Good electrical performance		
	Good tear strength		
	Track Resistance		
	Extended tensile rate		
Uses	Cable sheath		
	Electrical/Electronic Applications		
	Wire and cable applications		
Processing Method	Extrusion		
	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	9.00	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength ¹	30.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
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
Post Cure Time (200°C)	4.0	hr
Uncured Properties	Nominal Value	Unit
Color		
-- ²	Clear/Transparent	
-- ³	Grey	
Solids Content	100	%
Viscosity	950	Pa·s
Curing Time (140°C)	0.17	hr
NOTE		
1.	B mould	
2.	Part A	
3.	Part B	

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