

SQUARE® SCR2513-50A/B

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

Message:

The silicone rubber used for the seal of solar energy light-absorbing panels

Product Description

The product is high transparent 2-part liquid silicone rubber, catalyzed by platinum, consisting of basis compound, cross linking agent, catalyst and additives.

Key features

High light transmittance

Have a good heat resistance and cold tolerance

UV resistant

Fast curing under high temperature

Low viscosity

Applications

These products are particularly suitable for sealing of solar energy light-absorbing panels which have an extremely high requirement for the transparency after they are molded.

General Information			
Additive	Unspecified additive		
Features	High Light Transmission		
	Low viscosity		
	Good UV resistance		
	Fast curing		
	Low temperature resistance		
	Heat resistance, medium		
Uses	Seals		
	Solar panel		
Appearance	Clear/transparent		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	7.00	MPa	ASTM D412
Tear Strength ¹	10.0	kN/m	ASTM D624
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.410		GB/T 614
Transmittance (10000 μm, 550 nm)	> 90.0	%	GB/T 2410
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Component a	Mixing ratio by weight: 1.0		
Component B	Mixing ratio by weight: 1.0		
Shelf Life	52	wk	

Uncured Properties	Nominal Value	Unit	Test Method
Viscosity	4.0	Pa·s	DIN 53019
NOTE			
1.	B mould		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

