

# SQUARE® SSR2018-60

Silicone

Shenzhen SQUARE Silicone Co., Ltd.

## Message:

Silicone rubber for medical pipe catalyzed by peroxidet in extruding mould:

### Product Description

SQUARE® SSR2018-XX is high transparence and high tear strength solid silicone rubber, suitable for extrusion or compression molding processes.

### Key Features

High transparence

High tensile strength and high tear strength

Good rebound property

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

Low yellowing

Outstanding resistance to ageing

Comply with US FDA CFR 21.Part.177.2600 and EN1616 and RoHS standard and Meet ISO 10993 biological reactivity test,

### Application

SQUARE® SSR2018-XX is suitable for making medical pipe etc.

General Information	
Features	High tensile strength
	Good tear strength
	Definition, high
	Thermal stability, good
Uses	Piping system
	Medical/nursing supplies
Agency Ratings	FDA 21 CFR 177.2600
	ISO 10993
RoHS Compliance	RoHS compliance
Appearance	Clear/transparent
Processing Method	Extrusion
	Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	3.0	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	8.00	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength <sup>1</sup>	45.0	kN/m	ASTM D624

Compression Set (175°C, 22 hr)	25	%	DIN 53517
Thermoset	Nominal Value	Unit	
Shelf Life	100	wk	
Uncured Properties	Nominal Value	Unit	
Curing Time (170°C)	0.17	hr	
NOTE			
1.	B mould		

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#### Recommended distributors for this material

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