

SQUARE® SSR3918-50

Silicone

Shenzhen SQUARE Silicone Co., Ltd.

Message:

Solid silicone rubber material for baby nipples

Product Description

SQUARE® SSR3918-XX is high transparence and high tear strength solid silicone rubber suitable for compression molding processes.

Key features

High transparence

High tear strength

High elongation and good rebound property

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

Low yellowing

Outstanding resistance to ageing

Meet US FDA CFR 21.Part.177.2600 and EN14350.2, the 4.9 test standard of volatile compound and Europe RoHS standard

Applications

SQUARE® SSR3918-XX is suitable for making baby nipples.

General Information			
Features	Good tear strength		
	Definition, high		
	Thermal stability, good		
	Extended tensile rate		
Agency Ratings	FDA 21 CFR 177.2600		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	3.2	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	11.0	MPa	ASTM D412
Tensile Elongation (Break)	680	%	ASTM D412
Tear Strength ¹	50.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	24	%	DIN 53517
Thermoset	Nominal Value	Unit	
Shelf Life	100	wk	
Uncured Properties	Nominal Value	Unit	
Curing Time (170°C)	0.17	hr	
NOTE			

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