

SQUARE® LIM3630-30A/B

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

Message:

Silicone rubber for ultra transparent goggles parts

Product description

SQUARE LIM3630-30A/B is ultra transparence and high performance 2-part liquid silicone rubber, suitable for injection molding processes, catalyzed by platinum

Ultra transparence

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

Meet 4.9 of volatile compound testing standard and europe RoHS standard

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

Goggles parts and other products which require for ultra transparence.

General Information			
Features	Definition, high		
	Thermal stability, good		
Agency Ratings	FDA 21 CFR 177.2600		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Processing Method	Liquid Injection Molding (LIM)		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	2.7	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	30		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set ¹	1	%	ASTM D412
Tensile Strength	4.00	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Tear Strength ²	10.0	kN/m	ASTM D624
Optical	Nominal Value	Unit	
Transmittance	93.8	%	
Thermoset	Nominal Value	Unit	Test Method
Pot Life (20°C)	7200	min	
Shelf Life	52	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Viscosity			DIN 53019
-- ³	550	Pa·s	DIN 53019

-- 4	600	Pa·s	DIN 53019
Curing Time (135°C)	0.020	hr	
Cured Properties	Nominal Value	Unit	Test Method
Rebound Resilience	74	%	
NOTE			
1.	C mould		
2.	B mould		
3.	Part B		
4.	Part A		

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