

SQUARE® SFR1970-70

Fluorosilicone

Shenzhen SQUARE Silicone Co., Ltd.

Message:

Solid Fluorosilicone Rubber

Product Description

SFR1970-70 is solid fluorosilicone rubber, catalyzed by peroxide catalyst

Key Features

SQUARE® SFR1970-70 solid fluorosilicone rubber offer superior heat resistance. In addition, they are resistant to cold, oils and solvents of fluorinated rubber. Good for special applications where general resistance to oxidizing chemicals, aromatic and chlorinated solvent bases are required. Ease of mastication and excellent release properties make Fluorosilicone suitable for milling, calendaring and extruding. Fluorosilicone improves product performance, reliability and enhanced properties for ultimate yield realization.

Applications

Suited for all Automotive Parts including Diaphragms, O-Rings, Gaskets and Seals

Aircraft Gaskets, Seals, Hoses, Bellows, Diaphragms and Connectors

General Industrial Gasket and Seals

Any Rubber Molded Part Exposed to Heat, Oil or Solvents

General Information			
Features	Solvent resistance		
	Low temperature resistance		
	Heat resistance, high		
	Oil resistance		
	Good demoulding performance		
Uses	Washer		
	Aircraft applications		
	Diaphragm		
	Industrial application		
	Pipe		
	Connector		
	Seals		
Appearance	Grey		
	Extrusion		
Processing Method	Calendering		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	3.5	%	JIS K6301
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method

Tensile Strength	8.80	MPa	ASTM D412
Tensile Elongation (Break)	330	%	ASTM D412
Tear Strength ¹	22.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	11	%	DIN 53517
Thermoset	Nominal Value	Unit	
Shelf Life	52	wk	
Uncured Properties	Nominal Value	Unit	
Curing Time (200°C)	4.0	hr	
Cured Properties	Nominal Value	Unit	
Rebound Resilience	36	%	
NOTE			

1. B mould

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