

S50CD04 Product Data Sheet

Life Science applications



Ceetak is the leading provider of sealing solutions into the Life Sciences & Medical industry, providing technologically advanced materials, engineering expertise and high quality products.

Our unique portfolio of materials includes a broad range of elastomers formulated to satisfy the stringent material, production control and cleanliness regulations demanded by the industry.

Our advance production technologies and cleanroom facilities ensure we maintain the highest levels of quality assured product integrity .

S50CD04 is a platinum cured, silicone elastomer compound for use in Life Sciences applications.

Silicone S50CD04 is recommended for its excellent performance in low and high temperature range environments, and various other application conditions required to meet and comply with USP Class VI.

Basic Polymer: Silicone
Hardness: 50 +/- 5 Shore A
Temperature range: -50°C to +200°C
Colour: Translucent

Key features

- USP Class VI approved
- FDA approved

Production Methods

- Compression moulding
- Transfer moulding



Products

- O-Rings
- Gaskets
- Grommets

Property	Test	Units	Specification	Results
Hardness	ASTM D2240	Shore A	50 +/- 5	55
Tensile Strength	ASTM D412	Psi	870 min	1433
Elongation	ASTM D412	%	250 min	823
Specific Gravity	ASTM D1817	g/cm ³	--	1.145
Compression Set	ASTM D395-03 22Hrs @ 175°C	%	25 max	12.8
Low Temperature	ASTM D746 3 mins @ -55°C	%	--	Pass
Modulus	ASTM D412-06a	Psi	--	186

Applications

- Medical Devices
- Valves
- Syringes
- Pumps
- Biomedical
- Pharmaceutical
- Filtration

These results represent typical material properties. They are achieved under laboratory conditions and do not necessarily correspond to results measured on finished goods. It does not absolve the customer of the responsibility to make tests for their intended process or purpose. Ceetak Ltd makes no warranties and assumes no liability in connection with any use of this information.



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