

FOOD CONTACT SILICONE RUBBER FOR MOLDING



+ Characteristics

- Compliance with FDA food contact regulations and the requirements for manufacturing of seal ring products for pressure cooker in the hygienic standard GB4806.1
- Good transparency after vulcanized ● Good physical & mechanical properties ● Superior yellowing resistance

+ Main Applications

- They can be used to manufacture food contact molded silicone rubber products in compliance with FDA standard requirements.

+ Typical Data

Properties	Product Data						Test Method
	NE-631	NE-641	NE-651	NE-661	NE-671	NE-681	
Appearance	Milk-white, translucent ,no obvious extraneous matter.						Visual Inspection
Density, g/cm ³	1.07 ~ 1.11	1.10 ~ 1.14	1.13 ~ 1.17	1.16 ~ 1.20	1.19 ~ 1.23	1.20 ~ 1.24	ASTM D792
Hardness, Shore A	30±2	40±2	50±2	60±2	70±2	80±2	ASTM D2240
Tensile Strength, MPa ≥	6.0	6.5	8.0		7.5	7.0	ASTM D412
Elongation at Break, % ≥	500	420	320	300	220	180	
Tension Set, % ≤	5		6		5		
Tear Strength, Die C kN/m ≥	14	16	20		18		ASTM D624
Compression Set, 180°C*22h ≤	35	30			25		ASTM D395
Resilience, % ≥	65	60	55	50	45		/

- Physical data in the above table is for reference only. ● Curing condition: 175°C* 5Min.
- Ratio of curing agent liquid 2,5-Dimethyl-2,5-di (tert- butylperoxy) hexane: 0.65%.
- The supplied test report is obtained by the Quality Inspection Department with the curing conditions and testing method of the company; due to the difference of curing conditions and testing method, we can't guarantee that both parties obtain the same testing result, and we suggest that users should use the test data obtained under their own testing conditions as the reference for service performance. All the above performance data and application recommendations are only a reference for use on the service performance of product, instead of a guarantee on the effectiveness or general applicability of our products under a certain application.