

STANDARD SILICONE RUBBER FOR MOLDING



+ Characteristics

- Compliance with FDA
- Good processability and comprehensive physical properties
- Excellent yellowing resistance
- Excellent heat resistance at temperature of -50°C to 200°C

+ Main Applications

- Various keypads for electronic & electric appliances
- Electrical insulation components, automotive accessories
- Industrial & civil seal rings, miscellaneous parts
- General industrial & civil silicone rubber products, and translucent articles

+ Typical Data

Properties	Product Data							Test Method
	NE-131	NE-141	NE-151	NE-161	NE-171	NE-181	NE-191	
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	1.22~1.26	ASTM D792
Hardness, Shore A	30±2	40±2	50±2	60±2	70±2	80±2	86±2	ASTM D2240
Tensile Strength, MPa ≥	6.0	6.5	8.0		7.5	7.0	4.5	ASTM D412
Elongation at Break, % ≥	600	420	350	300	220	180	80	
Tension Set, % ≤	6		7		6	5	6	
Tear Strength, Die C kN/≥	15	19	22		20	18	10	ASTM D624
Compression Set, 180°C*22h ≤	45	35	30			25		ASTM D395
Rebound Resilience, % ≥	60		55	50	45		40	/

- 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%.
- Milk-white translucent or pigmented and sliced silicone rubber can be provided by customers' request.
- 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.