

ECONOMY SILICONE RUBBER FOR MOLDING



+ Characteristics

- Good processability

+ Main Applications

- Common silicone rubber products and miscellaneous parts, especially pigmented products
- Silicone keypads

+ Typical Data

Properties	Product Data					Test Method
	NE-5140	NE-5150	NE-5160	NE-5170	NE-5180	
Appearance	Milk-white, light yellow, light gray, no obvious extraneous matter.					Visual Inspection
Density, g/cm ³	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	40±2	50±2	60±2	70±2	80±2	ASTM D2240
Tensile Strength, MPa ≥	6.5	7.0		6.5	6.0	ASTM D412
Elongation at Break, % ≥	420	320	280	200	150	
Tension Set, % ≤	8				6	
Tear Strength, Die C kN/m ≥	16	18		16		ASTM D624
Compression Set, 180°C*22h ≤	40	35		30		ASTM D395
Resilience, % ≥	60	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.

ECONOMY SILICONE RUBBER FOR EXTRUSION



+ Characteristics

- Good processability

+ Main Applications

- Low-end miscellaneous extruded silicone rubber products

+ Typical Data

Properties	Product Data					Test Method
	NE-5240	NE-5250	NE-5260	NE-5270	NE-5280	
Appearance	Milk-white, light yellow, light gray, no obvious extraneous matter.					Visual Inspection
Density, g/cm ³	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	40±2	50±2	60±2	70±2	80±2	ASTM D2240
Tensile Strength, MPa ≥	6.5	7.0		6.5	6.0	ASTM D412
Elongation at Break, % ≥	420	320	280	200	150	
Tension Set, % ≤	10				8	
Tear Strength, Die C kN/m ≥	16	18		16		ASTM D624
Compression Set, 180°C*22h ≤	40	35			30	ASTM D395
Resilience, % ≥	60	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.

ECONOMIC SILICONE RUBBER FOR MOLDING & EXTRUSION



+ Characteristics

- Good processability
- Compliance with FDA
- Good physical and mechanical properties

+ Main Applications

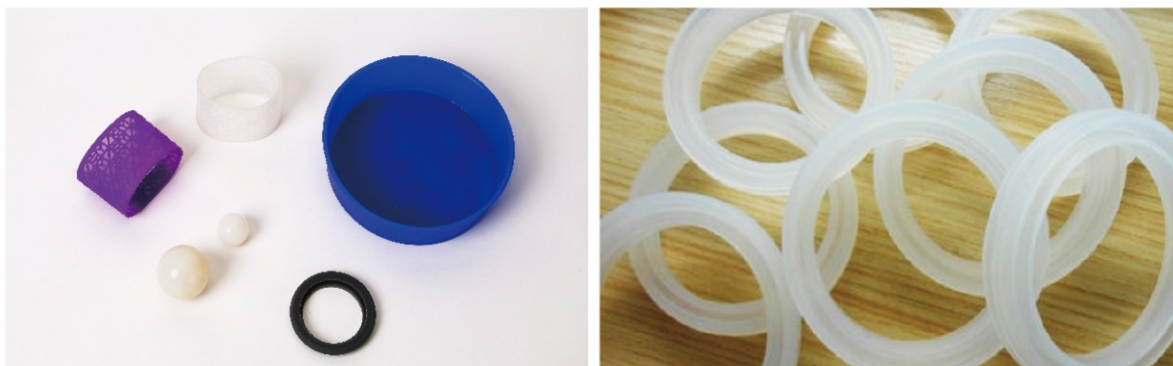
- Common silicone rubber products and miscellaneous parts, especially pigmented products
- Silicone keypads
- Low-end miscellaneous extruded silicone rubber products

+ Typical Data

Property	Product Data					Test Method
	NE-5340	NE-5350	NE-5360	NE-5370	NE-5380	
Appearance	Translucent, no obvious extraneous matter					Visual Inspection
Density, g/cm ³	1.10~1.15	1.13~1.18	1.15~1.20	1.18~1.23	1.20~1.25	ASTM D792
Hardness, Shore A	40±2	50±2	60±2	70±2	80±2	ASTM D2240
Tensile Strength, MPa≥	6.5	7.0		6.5	6.0	ASTM D412
Elongation at Break, %≥	420	320	280	200	150	ASTM D412
Tension Set, %≤	8		6			ASTM D412
Tear Strength, Die C kN/m≥	16	18		16		ASTM D624

- 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.

HIGH REBOUND SILICONE RUBBER



+ Characteristics

- Compliance with FDA
- Good processability and good comprehensive physical properties
- Excellent rebound resiliency

+ Main Applications

- Various O-rings, sealing elements and other silicone rubber products requiring good rebound resiliency

+ Typical Data

Properties	Product Data				Test Method
	NE-GT141	NE-GT151	NE-GT161	NE-GT171	
Appearance	Milk-white, translucent, no obvious extraneous matter.				Visual Inspection
Density, g/cm ³	1.10 ~ 1.15	1.13 ~ 1.18	1.15 ~ 1.20	1.18 ~ 1.23	ASTM D792
Hardness, Shore A	40±2	50±2	60±2	70±2	ASTM D2240
Tensile Strength, MPa ≥	6.5	7.5		7.0	ASTM D412
Elongation at Break, % ≥	380	300	280	200	
Tension Set, % ≤	6	7		6	
Tear Strength, Die C kN/m ≥	16	20		18	ASTM D624
Compression Set, 180°C*22h ≤	28	25		20	ASTM D395
Rebound Resiliency, % ≥	65	60	55	50	/

- 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.

HIGH-STRENGTH SILICONE RUBBER FOR MOLDING



+ Characteristics

- Manufactured with special process and formula
- Outstanding processability and stable comprehensive physical properties

+ Main Applications

- They are applicable to the molding process and the silicone rubber products with high requirements for tensile property and elongation rate.

+ Typical Data

Properties	Product Data						Test Method
	NE-8131	NE-8135	NE-8141	NE-8151	NE-8161	NE-8171	
Appearance	Milk-white, translucent, no obvious extraneous matter.						Visual Inspection
Density, g/cm ³	1.06 ~ 1.10	1.07 ~ 1.12	1.10 ~ 1.15	1.13 ~ 1.18	1.15 ~ 1.20	1.18 ~ 1.23	ASTM D792
Hardness, Shore A	30±2	35±2	40±2	50±2	60±2	70±2	ASTM D2240
Tensile Strength, MPa ≥	6.0	6.5	7.5	9.0	8.5	7.5	ASTM D412
Elongation at Break, % ≥	600	550		460	420	260	
Tension Set, % ≤	6		7	8		7	ASTM D624
Tear Strength, Die C kN/m ≥	15	17	20	24		22	
Compression Set, 180°C*22h ≤	35			30			ASTM D395
Rebound 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.

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.

ULTRA-LOW-HARDNESS SILICONE RUBBER



+ Characteristics

- Superior processability

+ Main Applications

- Swimming caps, swimming goggles, cushions and pen caps with good hand feeling

+ Typical Data

Properties	Product Data						Test Method
	NE-10	NE-20	NE-7120	NE-9110	NE-9120	NE-9320	
Appearance	Milk-white, translucent		Milk-white, yellowish	Transparent			Visual Inspection
Density, g/cm ³	1.00 ~ 1.06	1.04 ~ 1.09	1.04 ~ 1.09	1.00 ~ 1.06	1.04 ~ 1.09	1.04 ~ 1.09	ASTM D792
Hardness, Shore A	12±2	20±2		11±2	20±2		ASTM D2240
Tensile Strength, MPa ≥	1.5	3.5	3.0	1.5	4.0	4.5	ASTM D412
Elongation at Break, % ≥	760	750	700	780	800		
Tension Set, % ≤	8	6	8	10	8		
Tear Strength, Die C kN/m ≥	5	10		5	12	13	ASTM D624

● 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.

MODIFIED SILICONE RUBBER FOR MOLDING



+ Characteristics

- Corona resistance and Arc resistance
- Stable weatherability and electrical insulating property
- Excellent transparency and physical & mechanical properties

+ Main Applications

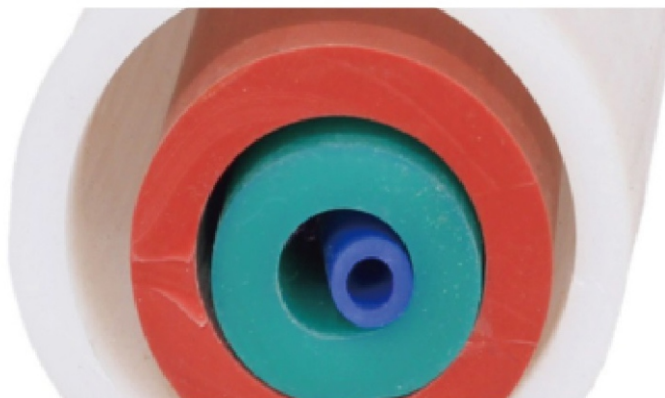
- Various wall bushings, electrical insulation products and other industrial products

+ Typical Data

Properties	Product Data						Test Method
	NE-341	NE-345	NE-351	NE-3140	NE-3150	NE-3160	
Appearance	Milk-white, translucent, no obvious extraneous matter.						Visual Inspection
Density, g/cm ³	1.10 ~ 1.14	1.10 ~ 1.15	1.13 ~ 1.17	1.10 ~ 1.14	1.13 ~ 1.17	1.16 ~ 1.20	ASTM D792
Hardness, Shore A	40±2	45±2	50±2	40±2	50±2	60±2	ASTM D2240
Tensile Strength, MPa ≥	7.5	8.0		7.5	8.0		ASTM D412
Elongation at Break, % ≥	450	420	400	450	400	300	
Tension Set, % ≤	5	6		5	6		
Tear Strength, Die C kN/m ≥	20						ASTM D624
Volume Resistivity, Ω · cm ≥	5.0×10 ¹⁴						IEC 60093
Dielectric Strength, kV/mm ≥	20						IEC 60243

- 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.

MODIFIED SILICONE RUBBER FOR EXTRUSION



+ Characteristics

- Corona resistance and Arc resistance
- Stable weatherability and electrical insulating property
- Excellent transparency and physical & mechanical properties

+ Main Applications

- Various wall bushings, electrical insulation products and other industrial products

+ Typical Data

Properties	Product Data			Test Method
	NE-3250	NE-3260	NE-3270	
Appearance	Milk-white, translucent, no obvious extraneous matter.			Visual Inspection
Density, g/cm ³	1.13 ~ 1.17	1.16 ~ 1.20	1.19 ~ 1.23	ASTM D792
Hardness, Shore A	50±2	60±2	70±2	ASTM D2240
Tensile Strength, MPa ≥	8.5	8.0	7.5	ASTM D412
Elongation at Break, % ≥	420	300	260	
Tension Set, % ≤	8			
Tear Strength, Die C kN/m ≥	20			ASTM D624
Volume Resistivity, Ω · cm ≥	5.0×10 ¹⁴			IEC 60093
Dielectric Strength, kV/mm ≥	20			IEC 60243

- 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.

ADDITION-CURING SILICONE RUBBER



+ Characteristics

- Compliance with FDA and LFGB ● Solid silicone rubber cured with addition of platinum as the catalyst
- Cured at a moderate temperature of 120°C, without any off-flavor and with high thermal utilization rate.
- The products made from them have higher tear strength than the like silicone products cured with peroxide.

+ Main Applications

- NE-01 series with precipitated silica are used to manufacture molded food contact silicone rubber products.
- NE-09 series with fumed silica are applicable to molding and extrusion process, and used to manufacture food contact silicone rubber products and transparent silicone tubes.

+ Typical Data

Properties	Product Data						Test Method
	NE-0130	NE-0140	NE-0150	NE-0160	NE-0170	NE-0180	
Appearance	Milk-white, translucent, no obvious extraneous matter.						Visual Inspection
Density, g/cm ³	1.06 ~ 1.10	1.10 ~ 1.15	1.13 ~ 1.18	1.15 ~ 1.20	1.18 ~ 1.23	1.20 ~ 1.25	GB/T 533-2008
Hardness, Shore A	30±3	40±3	50±3	60±3	70±3	80±3	GB/T 531.1-2008
Tensile Strength, MPa ≥	7.0	7.5	8.5	8.0		7.0	GB/T 528-2009
Elongation at Break, % ≥	600	500	400		300	200	
Tear Strength, Die C kN/m ≥	15	19	20		18	15	GB/T 529-2008
Resilience, % ≥	65	55	50		45	35	GB/T 1681-2009

Properties	Product Data						Test Method
	NE-0930	NE-0940	NE-0950	NE-0960	NE-0970	NE-0980	
Appearance	Transparent, no extraneous matter.						Visual Inspection
Density, g/cm ³	1.06 ~ 1.10	1.09 ~ 1.15	1.12 ~ 1.18	1.14 ~ 1.20	1.17 ~ 1.23	1.18 ~ 1.25	GB/T 533-2008
Hardness, Shore A	30±3	40±3	50±3	60±3	70±3	80±3	GB/T 531.1-2008
Tensile Strength, MPa ≥	8.0		8.5		8.0		GB/T 528-2009
Elongation at Break, % ≥	700	600	500	400	300	200	
Tear Strength, Die C kN/m ≥	15	20	25		20		GB/T 529-2008
Resilience, % ≥	55	45		40		35	GB/T 1681-2009

- Physical data in the above table is for reference only. ● Curing condition: 120°C *5 min
- Ratio of curing agent : platinum vulcanizator, (0.4~0.6)% added for component A, (0.8~2.5)% added for component B.
- 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.

HIGH TEMPERATURE RESISTANT SILICONE RUBBER



+ Characteristics

- Excellent physical and mechanical properties
- Wide range of applications
- Can be used at 250°C for a long time and can withstand an instant temperature of 300°C

+ Applications

- Various refractory seals, rubber rolls and sealing joint strips, etc

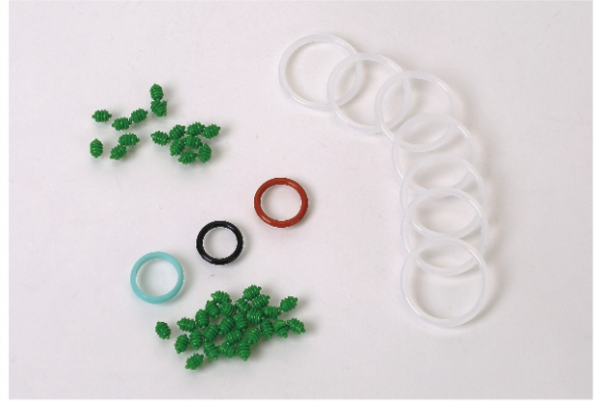
+ Typical Data

Properties	Product Data							Test Method	
	NE-G121	NE-G131	NE-G141	NE-G151	NE-G161	NE-G171	NE-G181		
Appearance	Light yellow, no obvious extraneous matter.							Visual Inspection	
Density,g/cm ³	1.00~1.06	1.03~1.13	1.08~1.18	1.10~1.20	1.14~1.24	1.17~1.27	1.20~1.30	ASTM D792	
Curing	Hardness, Shore A	23±3	30±3	40±3	50±3	60±3	70±3	80±3	ASTM D2240
	Tensile Strength, MPa ≥	5.0	5.5	6.5	8.0		7.5	6.5	ASTM D412
	Elongation at Break, % ≥	650	550	450	380	320	220	180	
	Tension Set, % ≤	8	7		8			7	
	Tear Strength, Die C kN/m ≥	10	15	18	20			18	ASTM D624
Post-curing	Hardness, Shore A	24±3	31±3	41±3	53±3	63±3	72±3	83±3	ASTM D2240
	Tensile Strength, MPa ≥	4.5	6.0	7.0	7.5			7.0	ASTM D412
	Elongation at Break, % ≥	600		320	300	260	180	150	
	Tear Strength, Die C kN/m ≥	8	14	16	18		20	16	ASTM D624
Compression Set, 180°C*22h ≤	45	35	30			25		ASTM D395	
Property variation percent during aging (230°C/72h)	Hardness, Shore A	-5	-3				4	5	/
	Tensile Strength, MPa ≥	-60	-35		-30			-15	/
	Elongation at Break, % ≥	-40	-20		-15	-20	-30	-15	/

Properties		Product Data					Test Method
		NE-G140	NE-G150	NE-G160	NE-G170	NE-G180	
Appearance		Milk-white, no obvious extraneous matter.					Visual Inspection
Density,g/cm ³		1.08~1.18	1.10~1.20	1.14~1.24	1.17~1.27	1.20~1.30	ASTM D792
Curing	Hardness, Shore A	40±3	50±3	60±3	70±3	80±3	ASTM D2240
	Tensile Strength, MPa ≥	6.0	7.5		7.0	6.5	ASTM D412
	Elongation at Break, % ≥	420	380	320	220	180	
	Tension Set, % ≤	7	8			7	
	Tear Strength, Die C kN/m ≥	18	20			18	ASTM D624
Post-curing	Hardness, Shore A	44±3	55±3	65±3	75±3	85±3	ASTM D2240
	Tensile Strength, MPa ≥	6.0	7.0			6.5	ASTM D412
	Elongation at Break, % ≥	320	300		200	150	
	Tear Strength, Die C kN/m ≥	16	18			16	ASTM D624
Compression Set, 180°C*22h ≤		35		25	30	25	ASTM D395
Property variation percent during aging (230°C/72h)	Hardness,Shore A	-5	-6	-4	5	6	/
	Tensile Strength, MPa ≥	-45	-50		-40	-25	/
	Elongation at Break, % ≥	-20	-15	-20	-35	-20	/
Properties		Product Data					Test Method
		NE-G132	NE-G142	NE-G152	NE-G162	NE-G172	
Appearance		Milk-white, no obvious extraneous matter.					Visual Inspection
Density,g/cm ³		1.03~1.13	1.08~1.18	1.11~1.21	1.15~1.25	1.17~1.27	GB/T 533-2008
Curing	Hardness, Shore A	30±2	40±2	50±2	60±2	70±2	GB/T 531.1-2008
	Tensile Strength, MPa ≥	7.5	8.0	8.5		8.0	GB/T 528-2009
	Elongation at Break, % ≥	600	550	500	400	300	
	Tension Set, % ≤	9	8				
	Tear Strength, Die C kN/m ≥	20	22	25			GB/T 529-2008
Post-curing	Hardness, Shore A	/	43±2	53±2	64±2	75±2	GB/T 531.1-2008
	Tensile Strength, MPa ≥	/	8.0		8.5	8.0	GB/T 528-2009
	Elongation at Break, % ≥	/	460	420	300	220	
	Tear Strength, Die C kN/m ≥	/	19	20			GB/T 529-2008
Compression Set, 180°C*22h ≤		/	38	35			GB/T 7759.1-2015
Property variation percent during aging (230°C/72h)	Hardness,Shore A	/	-5		5		/
	Tensile Strength, MPa ≥	/	-35	-30			/
	Elongation at Break, % ≥	/	-20	-15	-20	-30	/

- Physical data in the above table is for reference only.
- Curing condition: 175°C* 5Min. Post-curing condition:200°C* 4h.
- 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.

SELF-LUBRICATING SILICONE RUBBER



+ Characteristics

- Within a certain period of time, the surface of products can precipitate silicone oil for self-lubricating.
- Good physical properties and processability

+ Main Applications

- Automotive industry , machinery industry, and aerospace industry, such as various silicone rubber connectors, sealing elements and washers requiring self-lubricating property with molding process

+ Typical Data

Properties	Product Data					Test Method
	NE-1130	NE-1140	NE-1150	NE-1160	NE-1170	
Appearance	Milk-white, no obvious extraneous matter.					Visual Inspection
Density, g/cm ³	1.03~1.13	1.08~1.18	1.10~1.20	1.14~1.24	1.17~1.27	ASTM D792
Hardness, Shore A	30±2	40±2	50±2	60±2	70±2	ASTM D2240
Tensile Strength, MPa ≥	6.5	7.5				ASTM D412
Elongation at Break, % ≥	600	500	350	300	220	
Tension Set, % ≤	8					
Tear Strength, Die C kN/m ≥	15	19	22		20	ASTM D624

Properties	Product Data					Test Method
	NE-1230	NE-1240	NE-1250	NE-1260	NE-1270	
Appearance	Milk-white, no obvious extraneous matter.					Visual Inspection
Density, g/cm ³	1.03~1.11	1.09~1.17	1.11~1.19	1.14~1.22	1.18~1.26	ASTM D792
Hardness, Shore A	32±2	40±2	50±2	60±2	70±2	ASTM D2240
Tensile Strength, MPa ≥	6.5	8.0			7.5	ASTM D412
Elongation at Break, % ≥	700	600	500	400	300	
Tension Set, % ≤	8					
Tear Strength, Die C kN/m ≥	20	30	35			ASTM D624

Properties	Product Data						Test Method
	NE-1320	NE-1330	NE-1340	NE-1350	NE-1360	NE-1370	
Appearance	Milk-white, no obvious extraneous matter.						Visual Inspection
Density, g/cm ³	1.05~1.13	1.06~1.13	1.10~1.17	1.12~1.19	1.15~1.22	1.17~1.25	GB/T 533-2008
Hardness, Shore A	20±2	30±2	40±2	50±2	60±2	70±2	GB/T 531.1-2008
Tensile Strength, MPa ≥	3.0	6.0	6.5	7.0			GB/T 528-2009
Elongation at Break, % ≥	700	550	450	350	300	220	
Tension Set, % ≤	8						
Tear Strength, Die C kN/m ≥	10	15	19	22		20	GB/T 529-2008

● 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.

ANTISTATIC SILICONE RUBBER



+ Characteristics

- Stable physical and mechanical properties
- Good processability

+ Applications

- They are specially designed for molded silicone rubber products with requirements for control of static.

+ Typical Data

Properties	Product Data				Test Method
	NE-1440	NE-1450	NE-1460	NE-1470	
Appearance	Milk-white, no extraneous matter.				Visual Inspection
Density, g/cm ³	1.10 ~ 1.16	1.13 ~ 1.18	1.15 ~ 1.20	1.19 ~ 1.24	ASTM D792
Hardness, Shore A	40±2	50±2	60±2	70±2	ASTM D2240
Tensile Strength, MPa ≥	6.0	7.0		6.5	ASTM D412
Elongation at Break, % ≥	450	350	300	200	
Tension Set, % ≤	12				
Tear Strength, Die C kN/m ≥	15	20		16	ASTM D624
Volume resistivity, Ω·cm ≤	1×10 ¹²				IEC 60093

- 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.

CERAMIC SILICONE RUBBER



+ Characteristics

- Under high-temperature condition of fire, they will not melt and can form a hard ceramic layer, with flame retardancy and high temperature resistance.

+ Applications

- Refractory sealing strips
- Refractory sealing gaskets
- Cable and wire

+ Typical Data

Properties	Product Data			Test Method
	NE-C50	NE-C60	NE-C70	
Appearance	White, no extraneous matter.			Visual Inspection
Density, g/cm ³	1.30 ~ 1.40	1.35 ~ 1.45	1.37 ~ 1.47	ASTM D792
Hardness, Shore A	55±3	63±3	70±3	ASTM D2240
Tensile Strength, MPa ≥	5.5	6.5	6.0	ASTM D412
Elongation at Break, % ≥	350	300		
Tear Strength, Die C kN/m ≥	15			ASTM D624
Flame Retardancy, 3mm	FV-1			IEC 60695-11-10

- 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: 1.0%.
- 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.

FLAME RETARDANT SILICONE RUBBER



+ Characteristics

- Good physical, mechanical and electrical properties
- Superior flame retardancy and self-extinguishing property
- The flame retardancy of 3mm test piece can reach the class FV-0 stated in the national standard GB/T10707-2008
- Compliance with the requirements of ROHS

+ Applications

- They are applicable to manufacturing of electronic and electric products with flame retardant and insulativity, such as flame retardant gaskets, flame retardant seal rings and wire sheaths for cold cathode fluorescent lamps.

+ Typical Data

Properties	Product Data						Test Method
	NE-Z130	NE-Z140	NE-Z150	NE-Z160	NE-Z170	NE-Z180	
Appearance	White, no obvious extraneous matter.						Visual Inspection
Density, g/cm ³	1.32 ~ 1.38	1.37 ~ 1.43	1.40 ~ 1.46	1.42 ~ 1.48	1.45 ~ 1.51	1.47 ~ 1.53	ASTM D792
Hardness, Shore A	32±2	40±3	50±3	60±3	70±3	78±3	ASTM D2240
Tensile Strength, MPa ≥	3.5	4.5	6.0		5.5		ASTM D412
Elongation at Break, % ≥	400		330	280	200	170	
Tension Set, % ≤	6	8	7		6	5	
Tear Strength, Die C kN/m ≥	12	13	15			13	ASTM D624
Flame Retardancy, 3mm	FV-0						IEC 60695-11-10

Properties	Product Data				Test Method
	NE-Z250	NE-Z260	NE-Z270	NE-Z280	
Appearance	White, no obvious extraneous matter.				Visual Inspection
Density, g/cm ³	1.40 ~ 1.46	1.42 ~ 1.48	1.45 ~ 1.51	1.47 ~ 1.53	GB/T 533-2008
Hardness, Shore A	50±3	60±3	70±3	80±3	GB/T 531.1-2008
Tensile Strength, MPa ≥	6.0		5.5	4.5	GB/T 528-2009
Elongation at Break, % ≥	330	280	220	180	
Tension Set, % ≤	12		10		
Tear Strength, Die C kN/m ≥	15			13	GB/T 529-2008
Flame Retardancy, 3mm	FV-0				GB/T 10707-2008

Properties	Product Data				Test Method
	NE-Z141	NE-Z151	NE-Z161	NE-Z171	
Appearance	White, no obvious extraneous matter.				Visual Inspection
Density, g/cm ³	1.34 ~ 1.40	1.38 ~ 1.44	1.40 ~ 1.46	1.44 ~ 1.50	GB/T 533-2008
Hardness, Shore A	40±3	50±3	60±3	70±3	GB/T 531.1-2008
Tensile Strength, MPa ≥	5.0	6.0		5.5	GB/T 528-2009
Elongation at Break, % ≥	400	350	300	220	
Tension Set, % ≤	8	7		6	
Tear Strength, Die C kN/m ≥	13	15		13	GB/T 529-2008
Flame Retardancy, 3mm	FV-0				GB/T 10707-2008

Properties	Product Data					Test Method
	NE-Z540	NE-Z550	NE-Z560	NE-Z570	NE-Z580	
Appearance	White, no obvious extraneous matter.					Visual Inspection
Density, g/cm ³	1.37 ~ 1.43	1.40 ~ 1.46	1.42 ~ 1.48	1.45 ~ 1.51	1.47 ~ 1.53	GB/T 533-2008
Hardness, Shore A	40±3	50±3	60±3	70±3	78±3	GB/T 531.1-2008
Tensile Strength, MPa ≥	4.0	5.0				GB/T 528-2009
Elongation at Break, % ≥	350	300	250	200	150	
Tension Set, % ≤	8	7		6	5	
Tear Strength, Die C kN/m ≥	12	14			12	GB/T 529-2008
Flame Retardancy, 3mm	FV-0					GB/T 10707-2008

- 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: 1.0%.
- 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.