

## COMMON SILICONE RUBBER FOR MOLDING



### + Characteristics

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

### + Main Applications

- Keypads, sealing rings and sealing gaskets

### + Typical Data

Properties	Product Data								Test Method
	NE-7125	NE-7130	NE-7140	NE-7150	NE-7160	NE-7170	NE-7180	NE-7190	
Appearance	Milk-white, subtranslucent, no obvious extraneous matter.								Visual Inspection
Density, g/cm <sup>3</sup>	1.05~1.10	1.07~1.11	1.10~1.14	1.13~1.17	1.16~1.20	1.19~1.23	1.20~1.24	1.21~1.25	ASTM D792
Hardness, Shore A	25±2	30±2	40±2	50±2	60±2	70±2	80±2	86±2	ASTM D2240
Tensile Strength, MPa ≥	3.5	6.0	6.5	7.5		7.0		4.0	ASTM D412
Elongation at Break, % ≥	700	500	420	320	280	200	150	80	
Tension Set, % ≤	8	7		8		7	6		
Tear Strength, Die C kN/m ≥	10	15	16	18		17	16	10	ASTM D624
Compression Set, 180°C*22h ≤	/	50	30						ASTM D395
Resilience, % ≥	/	60			50	45		40	/
First-order linear shrinkage, %	3.6 ~ 4.2	3.4 ~ 3.9	3.3 ~ 3.8	3.2 ~ 3.7	3.1 ~ 3.6	2.9 ~ 3.5	2.8 ~ 3.4	2.7 ~ 3.4	/

- 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.