

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.