

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	
Tear Strength, Die C kN/m ≥	15	17	20	24		22	ASTM D624
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.