

# 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 <sup>3</sup>	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.