

Product Description: Low Compression Set Silicone Rubber for Molding

Characteristics:

- High resilience, low compression permanent deformation, excellent appearance, good resistance to yellowing, excellent mechanical properties, easy to process, non-stick rollers, easy to demould.

Main Applications:

- It can be used for products requiring high resilience and low compression set, such as keys, O-rings, gaskets, shaft seals, and rubber rollers.

Typical Data:

Properties	Product Data						Test Method
	NE-130D	NE-140D	NE-150D	NE-160D	NE-170D	NE-180D	
Appearance	Translucent, no visible mechanical impurities						Visual Inspection
Density, g/cm ³	1.06~ 1.10	1.09~ 1.12	1.12~ 1.16	1.14~ 1.18	1.18~ 1.22	1.19~ 1.24	ASTM D792
Hardness, Shore A	30±2	40±2	50±2	60±2	70±2	80±2	ASTM D2240
Tensile Strength, MPa, ≥	5.0	6.0	7.5			7.0	ASTM D412
Elongation at Break, % ≥	380	350	300	200	160	120	
Tension set, %, ≤	4.0		3.5	3.0	3.0	2.0	
Tear Strength, Die C kN/m, ≥	16		18		16	15	ASTM D624
Compression set, 175°C*22h, %, ≤	10	15				15	ASTM D395

- Physical data in the above table is for reference only.
- Vulcanization condition:175°C*5 min, Liquid vulcanising agent at 0.65%, Main components 2,5-dimethyl-2,5-bis(tert-butylperoxy)hexane
- 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.