

Product Description: Roller Silicone Rubber

Characteristics:

- Excellent processing and physical properties, low compression set and oil resistance.

Main Applications:

- Products for rollers requiring low compression set properties. The product can be supplied in light yellow or light gray color.

Typical Data:

Properties	Product Data					Test Method
	NE-5910-40	NE-5910-50	NE-5910-60	NE-5910-70	NE-5910-80	
Appearance	Light yellow, no obvious extraneous matter.		White or gray-white, no obvious extraneous matter.			Visual Inspection
Density, g/cm ³	1.10~1.17	1.13~1.19	1.32~1.38	1.34~1.40	1.36~1.42	ASTM D792
Hardness, Shore A	40±2	50±2	60±2	70±2	80±2	ASTM D2240
Tensile Strength, MPa, ≥	7.0	7.0	7.5	7.5	7.0	ASTM D412
Elongation at Break, %, ≥	450	350	240	200	120	
Tension Set, %, ≤	2	2	3	4	2	
Tear Strength, Die C, kN/m, ≥	16	16	17	17	16	ASTM D624
Compression Set, %175°C*22h, ≤	12	12	12	12	12	ASTM D395
Resilience, %, ≥	70	70	70	55	50	/

- Physical data in the above table is for reference only.
- Vulcanization 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.