

## ULTRA-LOW-HARDNESS SILICONE RUBBER



### + Characteristics

- Superior processability

### + Main Applications

- Swimming caps, swimming goggles, cushions and pen caps with good hand feeling

### + Typical Data

Properties	Product Data						Test Method
	NE-10	NE-20	NE-7120	NE-9110	NE-9120	NE-9320	
Appearance	Milk-white, translucent		Milk-white, yellowish	Transparent			Visual Inspection
Density, g/cm <sup>3</sup>	1.00 ~ 1.06	1.04 ~ 1.09	1.04 ~ 1.09	1.00 ~ 1.06	1.04 ~ 1.09	1.04 ~ 1.09	ASTM D792
Hardness, Shore A	12±2	20±2		11±2	20±2		ASTM D2240
Tensile Strength, MPa ≥	1.5	3.5	3.0	1.5	4.0	4.5	ASTM D412
Elongation at Break, % ≥	760	750	700	780	800		
Tension Set, % ≤	8	6	8	10	8		
Tear Strength, Die C kN/m ≥	5	10		5	12	13	ASTM D624

- 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.