

## ECONOMY FUMED SILICONE RUBBER FOR MOLDING



### + Characteristics

- Compliance with FDA
- Good transparency and mechanical properties
- Good yellowing resistance and stable processability

### + Applications

- Molded products with high requirement for transparency

### + Typical Data

Properties	Product Data							Test Method	
	NE-9530	NE-9540	NE-9550	NE-9560	NE-9570	NE-9580	NE-9590		
Appearance	Transparent ,no extraneous matter.							Visual Inspection	
Density, g/cm <sup>3</sup>	1.06 ~ 1.10	1.09 ~ 1.15	1.12 ~ 1.18	1.14 ~ 1.20	1.17 ~ 1.23	1.18 ~ 1.25	1.19 ~ 1.26	ASTM D792	
Curing	Hardness, ShoreA	30±2	40±2	50±2	60±2	70±2	80±2	86±2	ASTM D2240
	Tensile Strength, MPa ≥	8.0	8.5				8.0	6.0	ASTM D412
	Elongation at Break,% ≥	600	500	400		300	200	120	
	Tension Set, % ≤	8						6	
	Tear Strength, Die C kN/m ≥	15	20	25			20	10	ASTM D624
Post-curing	Hardness, ShoreA	32±2	44±2	55±2	66±2	74±2	84±2	/	ASTM D2240
	Tensile Strength, MPa ≥	6.5	7.0	8.0			7.0	/	ASTM D412
	Elongation at Break,% ≥	500	400	300		200	150	/	
	Tear Strength, Die C kN/m ≥	10	16	18			16	/	ASTM D624
Compression Set, 180°C*22h ≤	58	50		48		45	35	ASTM D395	
Rebound Resilience, % ≥	50				45	40	35	/	
Volume Resistivity, Ω·cm ≥	1×10 <sup>15</sup>							IEC 60093	
Dielectric Strength, kV/mm ≥	20							IEC 60243	

- Physical data in the above table is for reference only.
- Curing condition: 175°C\* 5Min.Post-curing condition:200°C\* 4h.
- 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.