

STANDARD HIGH TEAR STRENGTH FUMED SILICONE RUBBER FOR MOLDING



+ Characteristics

- Compliance with FDA and LFGB
- Excellent transparency and mechanical properties
- Good yellowing resistance, stable processability and superior selection of raw materials

+ Main Applications

- Automobile parts and electronic & electric products with special requirement for tear strength, such as mobile phone accessories

+ Typical Data

Properties	Product Data						Test Method	
	NE-9330	NE-9340	NE-9350	NE-9360	NE-9370	NE-9380		
Appearance	Transparent, no extraneous matter.						Visual Inspection	
Density, g/cm ³	1.06 ~ 1.10	1.09 ~ 1.15	1.12 ~ 1.18	1.14 ~ 1.20	1.17 ~ 1.23	1.18 ~ 1.25	ASTM D792	
Curing	Hardness, ShoreA	32±2	40±2	50±2	60±2	70±2	80±2	ASTM D2240
	Tensile Strength, MPa ≥	8.0	9.0		8.5		8.0	ASTM D412
	Elongation at Break, % ≥	700	600	500	400	350	250	
	Tension Set, % ≤	8						
	Tear Strength, Die C kN/m ≥	18	35	40			20	ASTM D624
Post-curing	Hardness, ShoreA	33±2	45±2	55±2	65±2	75±2	83±2	ASTM D2240
	Tensile Strength, MPa ≥	7.0	8.0	8.5		8.0	7.5	ASTM D412
	Elongation at Break, % ≥	650	500	450	350	250	150	ASTM D412
	Tear Strength, Die C kN/m ≥	12	20	25			19	ASTM D624
	Compression Set, 180°C*22h ≤	55	45	50		45	40	ASTM D395
Rebound Resilience, % ≥	50	45			40	35	/	
Volume Resistivity, Ω·cm ≥	1×10 ¹⁵						IEC 60093	
Dielectric Strength, kV/mm ≥	20						IEC 60243	
First-order linear shrinkage, %	3.2 ~ 3.7	3.0 ~ 3.6	2.9 ~ 3.4	2.8 ~ 3.4	2.6 ~ 3.2	2.4 ~ 3.0	/	

- 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.