

ECONOMY HIGH TEAR STRENGTH FUMED SILICONE RUBBER FOR MOLDING



+ Characteristics

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

+ Applications

- They are applicable to molding process and can be used to manufacture silicone rubber products requiring high tear strength.

+ Typical Data

Properties	Product Data					Test Method	
	NE-9730	NE-9740	NE-9750	NE-9760	NE-9770		
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	ASTM D792	
Curing	Hardness, ShoreA	30±2	40±2	50±2	60±2	70±2	ASTM D2240
	Tensile Strength, MPa ≥	8.0	8.5				ASTM D412
	Elongation at Break, % ≥	600	500	400		300	
	Tension Set, % ≤	8					
	Tear Strength, Die C kN/m ≥	18	30	35			ASTM D624
Post-curing	Hardness, ShoreA	33±2	45±2	55±2	65±2	75±2	ASTM D2240
	Tensile Strength, MPa ≥	6.0	7.5	8.0			ASTM D412
	Elongation at Break, % ≥	540	450	350	300	250	
	Tear Strength, Die C kN/m ≥	10	18	20			ASTM D624
	Compression Set, 180°C*22h ≤	55	50			45	ASTM D395
Rebound Resilience, % ≥	50	45			40	/	
Volume Resistivity, Ω·cm ≥	1×10 ¹⁵					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.