

ECONOMY FUMED SILICONE RUBBER FOR EXTRUSION



+ Characteristics

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

+ Applications

- They are applicable to manufacturing of various silicone tubes, sealing joint strips, electric wires and cables through extrusion process.

+ Typical Data

Properties	Product Data					Test Method	
	NE-9640	NE-9650	NE-9660	NE-9670	NE-9680		
Appearance	Transparent, no extraneous matter.					Visual Inspection	
Density, g/cm ³	1.09 ~ 1.15	1.12 ~ 1.18	1.14 ~ 1.20	1.17 ~ 1.23	1.18 ~ 1.25	ASTM D792	
Hardness, ShoreA	40±2	50±2	60±2	70±2	80±2	ASTM D2240	
Curing	Tensile Strength, MPa ≥	8.0	8.5		8.0	ASTM D412	
	Elongation at Break, % ≥	500	400		200		
	Tension Set, % ≤	10					
	Tear Strength, Die C kN/m ≥	20	25		20		ASTM D624
Post-curing	Hardness, ShoreA	45±2	57±2	68±2	76±2	85±2	ASTM D2240
	Tensile Strength, MPa ≥	7.5	8.0		7.0	ASTM D412	
	Elongation at Break, % ≥	520	350		150		
	Tear Strength, Die C kN/m ≥	18			16	ASTM D624	
Compression Set, 180°C*22h ≤	45	35		30	ASTM D395		
Rebound Resilience, % ≥	60	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.