

STANDARD FUMED SILICONE RUBBER FOR EXTRUSION



+ Characteristics

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

+ Main Applications

- Transparent silicone tubes & E-tubes and wire rods with smooth surface

+ Typical Data

Properties	Product Data					Test Method	
	NE-9240	NE-9250	NE-9260	NE-9270	NE-9280		
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	
Curing	Hardness, ShoreA	40±2	50±2	60±2	70±2	80±2	ASTM D2240
	Tensile Strength, MPa ≥	8.0	8.5		8.0		ASTM D412
	Elongation at Break, % ≥	600	500	400	300	200	
	Tension Set, % ≤	8					
	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	8.5		8.0		ASTM D412
	Elongation at Break, % ≥	520	450	340	260	200	
	Tear Strength, Die C kN/m ≥	18	20		18		
	Compression Set, 180°C*22h ≤	45	35		25		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.