

ECONOMIC SILICONE RUBBER FOR MOLDING & EXTRUSION



+ Characteristics

- Good processability
- Compliance with FDA
- Good physical and mechanical properties

+ Main Applications

- Common silicone rubber products and miscellaneous parts, especially pigmented products
- Silicone keypads
- Low-end miscellaneous extruded silicone rubber products

+ Typical Data

| Properties | Product Data | | | | | Test Method |
|------------------------------|--------------|-----------|-----------|-----------|-----------|-------------------|
| | NE-5340 | NE-5350 | NE-5360 | NE-5370 | NE-5380 | |
| Appearance | Translucent | | | | | Visual Inspection |
| Density, g/cm ³ | 1.10~1.15 | 1.13~1.18 | 1.18~1.20 | 1.18~1.23 | 1.20~1.25 | ASTM D792 |
| Hardness, shore A, points | 40±2 | 50±2 | 60±2 | 70±2 | 80±2 | ASTM D2240 |
| Tensile Strength , MpaDie C | 6.5 | 7 | | 6.5 | 6 | ASTM D412 |
| Elongation at Break, percent | 420 | 320 | 280 | 200 | 150 | ASTM D412 |
| Tension Set , percent Die C | 8 | | 6 | | | ASTM D412 |
| Tear Strength , kN/mDie C | 16 | 18 | | 16 | | ASTM D624 |

- Physical data in the above table is for reference only.
- Curing condition: 175°C*5Min.
- 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.