

Fumed flame retardant silicone (TN59XXU series)

Application >>

- All kinds of special products with fire protection requirements

Characteristic >>

- Halogen free, flame retardant, high strength
- ROHS, REACH certificated.

Specification Data Sheet >>



| ITEM | Demand | | | | |
|----------------------------------|---|-----------|-----------|-----------|-----------|
| | TN-5930U | TN-5940U | TN-5950U | TN-5960U | TN-5970U |
| Appearance | Milky or black solid with no apparent mechanical impurities | | | | |
| Density(g/cm³) | 1.27±0.05 | 1.30±0.05 | 1.33±0.05 | 1.36±0.05 | 1.39±0.05 |
| Hardness(Shore A) | 32±2 | 40±2 | 50±2 | 60±2 | 70±2 |
| Tensile strength(MPa)≥ | 3.0 | 3.5 | 4.0 | 4.0 | 4.0 |
| Elongation(%)≥ | 450 | 400 | 350 | 200 | 120 |
| Tear strength(kN/m)≥ | 7.5 | 8.5 | 10.5 | 10 | 7.0 |
| Heat Shrinkage(%) | 3.1~3.5 | 3.1~3.5 | 3.0~3.4 | 3.0~3.4 | 2.8~3.2 |
| Plasticity | 150±30 | 180±30 | 210±30 | 250±30 | 280±30 |
| Combustion test grade | UL94 V-O | UL94 V-O | UL94 V-O | UL94 V-O | UL94 V-O |

Application

