

# Flame-retardant Silicone Elastomer

# TSE2184U

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TSE2184U is the flame-retardant peroxide cured silicone elastomers for molding.

## KEY FEATURES

- ◆ Black appearance
- ◆ UL94V-0 (thickness: 1.5mm, 3.0mm) certification (File No. E56745)

## APPLICATIONS

- ◆ Anode caps
- ◆ High-voltage caps

## TYPICAL PROPERTY DATA

| UNCURED COMPOUND        | TSE2184U |
|-------------------------|----------|
| Appearance              | Black    |
| Specific Gravity (23°C) | 1.44     |
| Williams Plasticity     | 200      |

| CURED COMPOUND (Press cure 15min @125°C; Post cure 4hrs @200°C) |   |
|---|---|
| TC-1 curing agent phc   | 0.5                                     |
| MECHANICAL PROPERTIES (JIS K6249)                               |   |
| Hardness (Type A)   | 55                                      |
| Tensile Strength MPa {kgf/cm <sup>2</sup> }                     | 7.6 {78}                                |
| Elongation %  | 440                                     |
| Tear Strength (Angle) N/mm {kgf/cm}                             | 22 {22}                                 |
| Linear Shrinkage %  | 2.9                                     |
| ELECTRICAL PROPERTIES (JIS K6249)                               |   |
| Dielectric Strength KV/mm                                       | 26                                      |
| Volume Resistivity MΩ·m {Ω·cm}                                  | 5×10 <sup>7</sup> {5×10 <sup>15</sup> } |

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## HANDLING, SAFETY AND STORAGE

- ◆ Wear eye protection and protective glove when handling with this product.
- ◆ Store in a cool and dry place out of direct sunlight.
- ◆ Keep out of the reach of the children.

## PACKAGING

20kg box

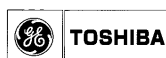
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