

Flame-retardant Silicone Elastomer

TSE2186U

TSE2186U is a heat cured silicone elastomer compound specially designed for flame-retardant electrical parts application.

KEY FEATURES

- ◆ Dark gray appearance
- ◆ UL94V-0 (thickness:0.50mm) certification (File No.E56745)

APPLICATIONS

- ◆ Anode caps
- ◆ High-voltage caps

TYPICAL PROPERTY DATA

UNCURED	TSE2186U
Appearance	Dark gray
Specific Gravity (23°C)	1.49
Williams Plasticity	210

CURED COMPOUND (Press cure 10min @ 170°C; Post cure 4hrs @ 200°C; TC-8 curing agent 0.5phc)		
MECHANICAL PROPERTIES (JIS K6249)		
Hardness (Type A)		58
Tensile Strength	MPa {kgf/cm ² }	8.0{82}
Elongation	%	350
Tear Strength (Angle)	N/mm{kgf/cm}	21{21}
Compression Set ^{*1)}	%	8
Linear Shrinkage	%	3.6
ELECTRICAL PROPERTIES (JIS K6249)		
Dielectric Strength	kV/mm	23
Volume Resistivity	MΩ·m{Ω·cm}	6×10 ⁷ {6×10 ¹⁵ }

*1) After aging 22hrs @ 180°C

TSE2186U

HANDLING, SAFETY AND STORAGE

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

PACKAGING

20kg box

TSE2186UE

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FOR INDUSTRIAL USE ONLY

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