

TURBO™ 117G
HIGH VOLTAGE SILICONE RUBBER EXTRUDED FIBERGLASS SLEEVING

THERMAL CLASS: 200°C

MIL-I-3190

DESCRIPTION

TURBO™ 117G is comprised of specially formulated high temperature silicone rubber extruded onto premium electrical grade braided fiberglass sleeving. The extrusion process results in a higher density coating that is more homogenous, has better concentricity and yields longer continuous lengths than the typical liquid dipped products common to the industry.

RECOMMENDED USE

TURBO™ 117G is recommended for use in all high voltage/high temperature applications, particularly in power transformers where class H sleeving is required. *Silicone rubber coated glass sleeving is the only flexible insulating material which remains useful for continuous service in ambient temperatures from -70°C through +200°C.*

PROPERTIES

- **THERMAL:** **TURBO™ 117G** is rated Class H by IEEE standards, acceptable for continuous service from -70°C through 200°C. Operation at temperatures up to 315°C is tolerated for short durations. **TURBO™ 117G** exceeds all requirements of UL Subject 224 for 200°C, 600 volt operation. It also exceeds the requirements of MIL-I-3190 and ASTM D372.
- **ENVIRONMENTAL:** **TURBO™ 117G** is resistant to moisture, corona, ozone, radiation, compression set, fungus, most chemicals and solvents, weathering, flexure fatigue and heat degradation.
- **FLAMMABILITY:** **TURBO™ 117G** burns slowly. The coating maintains its electrical integrity - *even under severe fire conditions* - by forming a non-conductive ash.

| PRODUCT NUMBER | DIELECTRIC STRENGTH |
|-------------------------|---------------------|
| TURBO™ 117G-10KV | 10 KV |
| TURBO™ 117G-15KV | 15KV |

| PRODUCT NUMBER | DIELECTRIC STRENGTH |
|-------------------------|---------------------|
| TURBO™ 117G-20KV | 20 KV |
| TURBO™ 117G-25KV | 25 KV |

AVAILABILITY

- **SIZES:** **TURBO™ 117G** is available in continuous spooled lengths or cut lengths in NEMA sizes # 20 through 3/4".
- **COLORS:** **TURBO™ 117G** is available in white, black or iron oxide red. Other colors may be available subject to minimum order quantities and/or setup charges.

The above data is informational only and should not be used for specification purposes. 1101

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