

**HILEC 540R SERIES**  
**SILICONE RUBBER COATED FIBERGLASS SLEEVING**

**THERMAL CLASS: 200°C**  
**NEMA TF-1, TYPE 5**

**MIL-I-3190/6 (grade A)**  
**ASTM D372**

**UL FILE E123956 (grade A)**

**DESCRIPTION**

**540R SERIES** is comprised of a two-component liquid silicone rubber continuously applied to premium electrical grade braided fiberglass sleeving. **540R SERIES** offers superior coating adhesion to the fiberglass than extruded type products while retaining excellent flexibility and expandability over a wide range of temperatures (-55°C to +200°C).

**RECOMMENDED USE**

**540R SERIES** is used where high temperature requirements are coupled with flexibility, abrasion resistance, moisture resistance, cut-through resistance, expandability and chemical resistance. Typical applications for **540R SERIES** include DC motor lead protection, high current dry transformers and automotive under-the-hood wire protection.

**PHYSICAL PROPERTIES** (coating)

<b>Hardness</b>	30 durometer, shore A	<b>Resistance to:</b>	<b>Ozone</b>	Excellent
<b>Tensile Strength</b>	>1000 psi		<b>Corona</b>	Excellent
<b>Elongation</b>	>600 %		<b>Radiation</b>	Excellent
<b>100% Modulus</b>	300 psi		<b>Sunlight</b>	Excellent
<b>Tear strength</b>	150 ppi		<b>Fungus</b>	Excellent
<b>Compression set</b>	>8.0% (22 hrs @ 177°C)			

<b>DIELECTRIC GRADE</b>	<b>PRODUCT NUMBER</b>	<b>MIN. AVE. BREAKDOWN</b>	<b>MIN. INDIV.</b>
A	547R	8000	6000
B	544R	4000	2500
C-1	542R	2500	1500
C-2	541R	1000	800

**AVAILABILITY**

- **SIZES:** **540R SERIES** is available in continuous spooled lengths or cut lengths in NEMA sizes #24 through 1".
- **COLORS:** **540R SERIES** is available in black, white, and tan. Other colors may be available subject to minimum order quantities and/or set-up charges.
- **BRANDNAMES:** **540R SERIES** is also available as **VOL-SIL™** and **SRG 300™**.

The above data is informational only and should not be used for specification purposes. 11/01

Phone: (585) 492-2212 • Fax: (800) 450-8193  
 Email: [info@hilec.com](mailto:info@hilec.com) • Website: [www.hilec.com](http://www.hilec.com)