

**YOUNG CHANG SILICONE CO LIMITED**

Room 803, Chevalier House, 45-51 Chatham Road South, Tsim Sha Tsui, Kowloon HK

System Component  
STW-F-xx, STW-F-SB-xxSystem Designation  
YCI-155System Class  
155(F)

Report Date: 2021-10-28

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alternate constructions: [Table I](#) **Construction Details (Table I)**

The use of this insulation system is limited to the combination of materials specified below. Where more than one item is designated under insulation function, they may be used together indicated, or they may be used as alternates to one another. Functions designated "optional" are not necessarily required for every design. Insulation thicknesses and/or layers below minimum.

Note: Note: Insulated winding wires designated STW-F-xx, STW-F-SB-xx are suitable for use in this insulation system without additional ground or interwinding insulation

**Filament Wire**

Additional Ground & Interwinding insulation **is not** required to separate this winding from other windings or between this winding and grounded/dead metal Recognized Component Single and Multi-Layer Insulated Winding Wire (OBJT2) listed below  
Recognized Component Appliance Wiring Material (AVLV2) listed below  
Unless otherwise noted, winding wire types listed below may be used in combination within a single product

YOUNG CHANG SILICONE CO LIMITED [E242198] - Recognized Component  
**STW-F-xx, STW-F-SB-xx** 3.9 (0.1)

**Enameled Wire**

Recognized Component - Magnet wire (OBMW2), single build or greater, round or rectangular, copper or aluminum unless stated otherwise for the types listed below  
Ground Insulation is required to separate this winding from grounded/dead metal  
Interwinding Insulation **is** required to separate this winding from other enameled wire  
Unless otherwise noted, Winding Wire types listed below may be used in combination within a single product

<u>ANSI Type</u>	<u>Temp(°C)</u>	<u>Basecoat(Topcoat)</u>
<b>MW 30</b>	or 180°C	Polyester-amide-imide
<b>MW 80</b>	or 155°C	Polyurethane (Polyamide)

**Ground and Interwinding Insulations**

<u>Designation</u>	<u>mils(mm)</u>	<u>comments</u>
<u>CELANESE INTERNATIONAL CORP [E344082] - Recognized Component</u>		
<b>ZENITE 7130</b>	11.8 (0.3)	
<b>ZENITE 9140HT(f1)</b>	11.8 (0.3)	
<b>ZENITE 9140HT(f2)</b>	11.8 (0.3)	
<u>CELANESE INTERNATIONAL CORP [E41938] - Recognized Component</u>		
<b>Rynite FR530(l)(+)(f1), FR530L(l)(+)(f1)</b>	15 (0.38)	
<b>Zytel HTNFR52G30LX</b>	15 (0.38)	
<b>Zytel HTNFR52G30NH(r6)</b>	15 (0.38)	
<u>E. I. Dupont de Nemours &amp; Co.</u>		
<b>Kapton CR</b>	1 (0.03)	
<b>Kapton HN</b>	1 (0.03)	
<u>P LEO &amp; CO LTD [E126174] - Recognized Component</u>		
<b>1K7200</b>	1[layers]	
<b>1KPST</b>	1[layers]	
<b>1PS25</b>	1[layers]	
<u>SUMITOMO BAKELITE CO LTD [E41429] - Recognized Component</u>		
<b>SUMIKON PM-9630</b>	11.8 (0.3)	
<b>SUMIKON PM-9820, PM-9825</b>	11.8 (0.3)	
<u>SUMITOMO CHEMICAL CO LTD [E249884] - Recognized Component</u>		
<b>SUMIKASUPER E4008(c4)(c2)(c3)(j)(f2)</b>		
<u>TOYOBO FILM SOLUTIONS LIMITED [E206562] - Recognized Component</u>		
<b>Teonex Film Q(l)(m), NQ(l)(m), K(l)(m) *** this product is no longer Recognized ***</b>	1 (0.03)	

any sheet insulation or tape described in this table with no minimum thickness requirement may be used as a minor sheet material

**Tapes**

tapes are optional for this system

<u>Designation</u>	<u>comments</u>
<u>P LEO &amp; CO LTD [E126174] - Listed or Recognized Component</u>	
<b>1G180</b>	

**Spacer and Wedges**

spacer and wedges are optional for this system

<u>Designation</u>	<u>comments</u>
<u>E. I. Dupont de Nemours &amp; Co.</u>	
<b>Nomex Board</b>	

any material described in this table with no thickness requirement may be used as a spacer or a wedge