

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-xx

System Designation
YCI-155

System 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: 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>
MW 30	or 180°C	Polyester-amide-imide
MW 80	or 155°C	Polyurethane (Polyamide)

Ground and Interwinding Insulations

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

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

Spacer and Wedges

spacer and wedges are optional for this system

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

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

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