

**YOUNG CHANG SILICONE CO LTD**  
481-7 GASAN-DONG, KUMCHUN-GU, SEOUL 153-803 KR

System Component  
STW-B

System Designation  
YCI-130

System Class  
130(B)

Report Date: 2006-09-27

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alternate constructions: [Table IV](#) ▼

*An Authorization Letter is Required for Adoption of this System*

**Construction Details (Table IV)**

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.

**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

<u>YOUNG CHANG SILICONE CO LTD [E242198] - Recognized Component</u> <b>STW-B</b>	3.7 (0.09)	Single- and Multi-layer Insulated Winding Wire - (
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**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 28</b>	and 130°C	Polyurethane (Polyamide)
<b>MW 75</b>	and 130°C	Polyurethane
<b>MW 79</b>	or 155°C	Polyurethane
<b>MW 80</b>	or 155°C	Polyurethane (Polyamide)
<b>MW 82</b>	or 180°C	Polyurethane
<b>MW 83</b>	or 180°C	Polyurethane (Polyamide)

**Ground and Interwinding Insulations**

<u>Designation</u>	<u>mils(mm)</u>	<u>comments</u>
<u>3M COMPANY [E17385] - Recognized Component</u> <b>1388Y-1 (b)</b>	1 [layers]	
<u>DUCK SUNG HITECH CO LTD [E105147] - Recognized Component</u> <b>DTS-280</b>	1 [layers]	
<u>DuPont Specialty Products USA, LLC [E34739] - Recognized Component</u> <b>Nomex® 410</b>	2 (0.05)	
<b>Nomex® 411</b>	4.6 (0.12)	
<b>Nomex® 414</b>	2 (0.05)	
<b>Nomex® 418, 818, 864LAM</b>	2 (0.05)	
<u>E I DUPONT DE NEMOURS &amp; CO INC [E39505] - Recognized Component</u> <b>Kapton® 100H, 100HN, 100HN-S, 100H-ZT, 100HN-ZT, 100FPC-ZT, 100TAB-ZT, 100PST, 100HA, 100TN, 100V, 100VN, 100FPC, 100FPC-A, 100HPP-ST</b>	1 (0.03)	
<u>E I DUPONT DE NEMOURS &amp; CO INC [E41938] - Recognized Component</u> <b>Crastin SK665FR(f1)</b>	11.8 (0.3)	
<u>E. I. Dupont de Nemours &amp; Co.</u> Kapton H, V, HN, VN or HA Grades	1 (0.03)	
<u>JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD [E165111] - Recognized Component</u> <b>CT* (b)(g)</b>	2 [layers]	
<b>PZ* (b)</b>	2 [layers]	
<b>WF* (c)(h)</b>	1 [layers]	
<u>SUMITOMO BAKELITE CO LTD [E41429] - Recognized Component</u> <b>SUMIKON PM-9630</b>	15.7 (0.4)	
<b>SUMIKON PM-9820, PM-9825</b>	15.7 (0.4)	
<u>XINFENG GHILLIE ELECTRICAL MATERIALS CO LTD [E326305] - Recognized Component</u> <b>JL-D508 (a)</b>	1 [layers]	
<b>JL-P208 (a)</b>	1 [layers]	
<b>JL-T4</b>	1 [layers]	

**Lead Wires**

lead wires are optional for this system

<u>Temp</u>	<u>Insulation</u>
150°C	SR - silicone rubber(with or without braid)
150°C	Perfluoro-alkyl vinyl ether/Al/PET/EVA

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>CHYUN YIH TAPE CO LTD [E81174] - Listed or Recognized Component</u> <b>AC4031</b>	
<b>P2441 (a)</b>	
<u>DUCK SUNG HITECH CO LTD [E105147] - Listed or Recognized Component</u> <b>DTS-241</b>	

Duck Sung Hitech Co., Lt  
DTS-204A

Hyun Dai  
800

TAE HWA INDUSTRIAL CO LTD [E92677] - Listed or Recognized Component  
6701  
E-3338  
H-2715  
H-5673 (+)  
H-5673N  
S-9101  
TH-GC012, S-2115

Taehwa Industries  
A-9025  
E-3338

Xinfeng Ghillie Electrical Materials Co., Ltd  
JL-B308  
JL-C108  
JL-N408

## Core tubes and Bobbins

(for mechanical support only) cores are optional for this system

Designation

comments

CHANG CHUN PLASTICS CO LTD [E59481] - employing Recognized materials  
**LONGLITE 4130**  
**LONGLITE T375HF**  
**LONGLITE T375J(G5)(G6)**

E I DUPONT DE NEMOURS & CO INC [E41938] - employing Recognized materials  
**Rynite FR530(l)(+)(f1), FR530L(l)(+)(f1)**

Hexion Specialty Chemicals GMBH  
PF2736 (a) (b)

Kolon Industries  
KP212V0

Samsung Fine Chemicals  
KB40 (B)M

SAMYANG CORPORATION [E121254] - employing Recognized materials  
**TRIBIT, Sam Yang's Co. Ltd. PBT 1500GN-30**

SHIN HEUNG CHEMICAL CO LTD [E331037] - employing Recognized materials  
PR5100(@) \*\*\* materials are no longer Recognized \*\*\*

SK Chemical Co., Ltd  
Ecotran 1040G  
Ecotran 5050S  
Ecotran 5060G

SUMITOMO BAKELITE CO LTD [E41429] - employing Recognized materials  
**SUMIKON PM-9630**  
**SUMIKON PM-9820, PM-9825**

SUMITOMO CHEMICAL CO LTD [E249884] - employing Recognized materials  
**SUMIKASUPER E4008(c4)(c2)(c3)(j)**

## Spacer and Wedges

spacer and wedges are optional for this system

Designation

comments

E. I. Dupont de Nemours & Co.  
Nomex Board

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

## Tubing and Sleeving

tubing and sleeving are optional for this system

Designation

comments

CHANGYUAN ELECTRONICS GROUP CO LTD [E180908] - Recognized Component  
**CB-HFT, CB-HFT(XY), CYG-MT**

GREAT HOLDING INDUSTRIAL CO LTD [E156256] - Recognized Component  
**TFL**  
**TFS**  
**TFT**

LS CABLE & SYSTEM LTD [E84393] - Recognized Component  
**GSHS-1625**

SUMITOMO ELECTRIC FINE POLYMER INC [E75077] - Recognized Component  
**942 or SUMITUBE F4(Z)**

## Tie Cords

tie cords are optional for this system

Designation

comments

Various Manufacturers  
Uncoated fiberglass

## Potting Compounds

potting compounds are optional for this system

Designation

comments

Chem Tech  
ES928P-2  
SHA-101D

SE Kye Chemical Co., Ltd.  
SK-1000

Sung Moon Telecommunication  
UNIBOND-812

Sung Woo Chemical Corp.  
SW-150H  
SW-850HF

## **Varnishes**

varnishes are optional for this system

Designation comments

CHEMTECH CO LTD [E258329] - Recognized Component  
ES925-43D# \*\*\* this product is no longer Recognized and may not be suitable for use in this system \*\*\*

HITACHI CHEMICAL CO LTD [E72979] - Recognized Component  
**WP-2952F-2G, WP-2952F-2G(Y), WP-2952F-2G(YL), WP-2952F-2G (YS), WP-2952F-2G(FC), WP-2952F-2G(H), WP-2952F-2G(K)**

NOROO PAINT & COATINGS CO LTD [E93947] - Recognized Component  
**DVB-2085(\*)**

SE KYE CHEMICAL CO LTD [E257443] - Recognized Component  
**SR-337\***

## **Miscellaneous Minor Insulations**

miscellaneous minor insulations are optional for this system

Designation comments

CHANG CHUN PLASTICS CO LTD [E59481] - employing Recognized materials  
**LONGLITE T375J(G5)(G6)**

Chem Tech  
ES928P-2  
SHA-101D

Hexion GmbH [E61040] - employing Recognized materials  
**Bakelite "R" PF2736(a)(b)**

Se Kye Chemical Co., Ltd.  
SK-1000

SUMITOMO BAKELITE CO LTD [E41429] - employing Recognized materials  
**SUMIKON PM-9630**  
**SUMIKON PM-9820, PM-9825**

Sung Moon Telecommunication  
UNIBOND-812

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