

YOUNG CHANG SILICONE CO LIMITED

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

System Component
STW-B, STW-B-XXSystem Designation
YCI-130System Class
130(B)

Report Date: 2006-11-01

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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

YOUNG CHANG SILICONE CO LIMITED [E242198] - Recognized Component

STW-B
STW-B-XX

3.7 (0.09)
3.7 (0.09)

Single- and Multi-layer Insulated Winding Wire - C
Single- and Multi-layer Insulated Winding Wire - C

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

ANSI Type

MW 28
MW 75
MW 79
MW 80
MW 82
MW 83

Temp(°C)
and 130°C
and 130°C
or 155°C
or 155°C
or 180°C
or 180°C

Basecoat(Topcoat)
Polyurethane (Polyamide)
Polyurethane
Polyurethane
Polyurethane (Polyamide)
Polyurethane
Polyurethane (Polyamide)

Ground and Interwinding Insulations

Designation

mils(mm)

comments

3M COMPANY [E17385] - Recognized Component
1388Y-1 (b)

1 [layers]

CELANESE INTERNATIONAL CORP [E41938] - Recognized Component
Crastin SK665FR(f1)

11.8 (0.3)

DUCK SUNG HITECH CO LTD [E105147] - Recognized Component
DTS-280

1 [layers]

DuPont Specialty Products USA LLC [E39505] - Recognized Component
Kapton® 100H, 100HN, 100HN-S, 100H-ZT, 100HN-ZT, 100FPC-ZT, 100TAB-ZT, 100PST, 100HA, 100TN, 100V, 100VN, 100FPC, 100FPC-A, 100HPP-ST

1 (0.03)

DuPont Specialty Products USA, LLC [E34739] - Recognized Component

Nomex® 410
Nomex® 411
Nomex® 414
Nomex® 418, 818, 864LAM

2 (0.05)
4.6 (0.12)
2 (0.05)
2 (0.05)

E. I. Dupont de Nemours & Co.

Kapton H, V, HN, VN or HA Grades

1 (0.03)

JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD [E165111] - Recognized Component

CT* (b)(g)
PZ* (b)
WF* (c)(h)

2 [layers]
2 [layers]
1 [layers]

SUMITOMO BAKELITE CO LTD [E41429] - Recognized Component

SUMIKON PM-9630
SUMIKON PM-9820, PM-9825

15.7 (0.4)
15.7 (0.4)

XINFENG GHILLIE ELECTRICAL MATERIALS CO LTD [E326305] - Recognized Component

JL-D508 (a)
JL-P208 (a)
JL-T4

1 [layers]
1 [layers]
1 [layers]

Lead Wires

lead wires are optional for this system

Temp	Insulation
150°C	SR - silicone rubber(with or without braid)
150°C	Perfluoro-alkyl vinyl ether/AI/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

Designation

comments

CHYUN YIH TAPE CO LTD [E81174] - Listed or Recognized Component
AC4031

P2441 (a) *** this product is no longer Recognized ***

DUCK SUNG HITECH CO LTD [E105147] - Listed or Recognized Component

DTS-241

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

CELANESE INTERNATIONAL CORP [E41938] - employing Recognized materials
Rynite FR530(I)(+)(f1), FR530L(I)(+)(f1)

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

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 ***

NOROO PAINT & COATINGS CO LTD [E93947] - Recognized Component

DVB-2085(*)

Resonac Corporation [E72979] - Recognized Component

WP-2952F-2G, WP-2952F-2G(Y), WP-2952F-2G(YL), WP-2952F-2G(FC), WP-2952F-2G(H), WP-2952F-2G(K)

SE KYE CHEMICAL CO LTD [E257443] - Recognized Component

SR-337* *** this product is no longer Recognized and may not be suitable for use in this system ***

Miscellaneous Minor Insulations

miscellaneous minor insulations are optional for this system

Designation

comments

Bakelite GmbH [E61040] - employing Recognized materials

Bakelite "R" PF2736(a)(b) *** materials are no longer Recognized ***

CHANG CHUN PLASTICS CO LTD [E59481] - employing Recognized materials

LONGLITE T375J(G5)(G6)

Chem Tech

ES928P-2

SHA-101D

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