



Mylar	1 (0,03)	polyethylene terephthalate film (PET)
<u>JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD [E165111] - Recognized Component</u>		
CT* (b)(g)	2[layers]	
PZ* (b)	2[layers]	
WF* (c)(h)	1[layers]	
<u>METAL LINE CO LTD [E162848] - Recognized Component</u>		
800 (a) *** this product is no longer Recognized ***	3 (0,08)	
800BT *** this product is no longer Recognized ***	2[layers]	
<u>NITTO DENKO CORP [E34833] - Recognized Component</u>		
3161-FT1 *** this product is no longer Recognized ***	1[layers]	
3161-FT2 *** this product is no longer Recognized ***	1[layers]	
31CT-1 (a) *** this product is no longer Recognized ***	1[layers]	
31CT-2 (a) *** this product is no longer Recognized ***	1[layers]	Polyester
31CTF (a) *** this product is no longer Recognized ***	1[layers]	
<u>P LEO &amp; CO LTD [E126174] - Recognized Component</u>		
1P756 (h)	1[layers]	
1P801	1[layers]	
1P802	1[layers]	
<u>Resonac Corporation [E42956] - Recognized Component</u>		
CP-J-8800, CP-J-NAF, CP-J-F(N) *** this product is no longer Recognized ***	15.7 (0,4)	
<u>Resonac Techno Service Corporation [E514814] - Recognized Component</u>		
CP-J-8800, CP-J-NAF, CP-J-F(N)	15.7 (0,4)	
<u>SUMITOMO BAKELITE CO LTD [E41429] - Recognized Component</u>		
SUMIKON PM-9630	15.7 (0,4)	
SUMIKON PM-9750	15.7 (0,4)	
SUMIKON PM-9820, PM-9825	15.7 (0,4)	
SUMIKON PM-9850	15.7 (0,4)	
<u>SYMBIO INC [E50292] - Recognized Component</u>		
35660 (a)	1[layers]	
35661 (c)	1[layers]	
<u>TERAOKA SEISAKUSHO CO LTD [E56086] - Recognized Component</u>		
560S #2	1[layers]	
560S #3	1[layers]	
560S #5 *** this product is no longer Recognized ***	1[layers]	
561S #2 *** this product is no longer Recognized ***	1[layers]	
561S #3 *** this product is no longer Recognized ***	1[layers]	
561S #7 *** this product is no longer Recognized ***	1[layers]	
630F #25 (a)	1[layers]	
630F2 #50 (i) *** this product is no longer Recognized ***	1[layers]	
631S #25, 632S #25 (a)	1[layers]	
631S2 #50, 632S2 #50 (a) *** this product is no longer Recognized ***	1[layers]	
650S #25	1[layers]	
650S #50	1[layers]	
652S #25	1[layers]	
653F #25	1[layers]	
654S #25	1[layers]	

## Lead Wires

lead wires are optional for this system

Temp	Insulation
105°C	CPE - chlorosulfonated polyethylene +
150°C	SR - silicone rubber(with or without braid)
150°C	Perfluoro-alkyl vinyl ether/Al/PET/EVA
150°C	XLPE - crosslinked polyethylene
200°C	SR - silicone rubber(with or without braid)
200°C	FEP - fluorinated ethylene propylene

+ To be isolated from direct contact with windings (magnet wire) by any insulating material (tape, layer insulation, sleeving,etc.) listed in this table - unless specifically exclude requirement by a special note at the beginning of this table.

## Minor Sheet Materials

(layer, outer, wrap etc.) minor sheet is optional for this system

Designation	comments
<u>Dupont -Teijin Films</u>	
Polyethylene Terephthalate Film	
<u>DuPont Specialty Products USA, LLC [E34739] - employing Recognized materials</u>	
Nomex® 410	
Nomex® 411	
Nomex® 414	
Nomex® 416, 416 LAM	
Nomex® 418, 818, 864LAM	
Nomex® 992, 992PSB	
Nomex® 993, 993PSB	
Nomex® 994, 994PSB	
Nomex® E56, 356	
<u>E. I. Dupont de Nemours &amp; Co.</u>	
Kapton Grades H, V, HN, VN and HA	
Nomex® 424	
Nomex® 425	
<u>GE Toshiba Silicone</u>	
TSE-3331	
TSE-3331K	
<u>Sumitomo Bakelite</u>	
Sumilite VSL, VSS	

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
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3M COMPANY [E17385] - Listed or Recognized Component

1 (a)  
1205  
1298 (b)  
1298CR  
1318-1 (a)  
1318-2 (a)  
1350-1 (b)  
1350-2 (c)  
1350CR-1  
1350CR-2  
1350F-1 (b)  
1350F-2 (c)  
1350T-1 (b)  
1350T-3 (b)  
1351-1 (a)  
1351-2 (c)  
1351T-1 (a)  
1351T-2 (a)  
1351T-3 (a)  
44 (a)  
44-T (a)  
44D (a)  
44D-A (a)  
44T-A (a)  
5  
54 (a)  
55  
56 (a)  
57 (a)  
58 (a)  
74 (a)  
75  
92  
MR 94  
MR 94B (c)  
Super 10 (a)  
Super 20 (a)

3M Japan Limited [E59505] - Listed or Recognized Component

2245  
CU-35C  
SUPER 10-T  
SUPER 10-W

BONDTEC PACIFIC CO LTD [E175868] - Listed or Recognized Component

201 (c)  
201S (c)  
370S (b)  
371F (a) \*\*\* this product is no longer Recognized \*\*\*

Bondtec Pacific Co.

371S

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

PB416C  
PB416F

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

220-B  
231  
DTS-230 \*\*\* this product is no longer Recognized \*\*\*  
DTS-241  
DTS-280

Duck Sung Hitech Co., Lt

220-F  
DTS-204A

INTERTAPE POLYMER GROUP [E20780] - Listed or Recognized Component

51580-00 (40)\* (b)  
51595\* (b)  
54113

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

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

METAL LINE CO LTD [E162848] - Listed or Recognized Component

800 (a) \*\*\* this product is no longer Recognized \*\*\*  
800BT \*\*\* this product is no longer Recognized \*\*\*

Nichiban Co. Ltd.

553H-UL  
573H-UL  
945UL-30  
945UL-50

NITTO DENKO CORP [E34833] - Listed or Recognized Component

3161-FT1 \*\*\* this product is no longer Recognized \*\*\*  
3161-FT2 \*\*\* this product is no longer Recognized \*\*\*  
31C  
31CT (a) \*\*\* this product is no longer Recognized \*\*\*  
31CT-1 (a) \*\*\* this product is no longer Recognized \*\*\*  
31CT-2 (a) \*\*\* this product is no longer Recognized \*\*\*  
31CTF (a) \*\*\* this product is no longer Recognized \*\*\*  
343B  
343BN@ (a) \*\*\* this product is no longer Recognized \*\*\*

P Leo & Co.(B C) Ltd

1A605  
1E075  
1K7172  
1P130  
1P808  
1P830  
1P9FR  
1PN2R  
1TF07

silicone adhesive, polyimide film  
acrylic adhesive, polyester film  
polyester film  
acrylic adhesive, polyester film

P LEO & CO LTD [E126174] - Listed or Recognized Component

**1A025**

1A570 \*\*\* this product is no longer Recognized \*\*\*

1C822 \*\*\* this product is no longer Recognized \*\*\*

**1G006**

**1G130 (o)**

**1G155**

**1G180**

**1G200**

**1H818 (m)**

**1H850 Black (q)**

**1H850 Natural (o)**

**1H860 (f)**

**1H86A (o)**

**1H86F (g)**

**1K063**

**1K7170**

**1K7171A**

**1N008**

**1N012**

**1N155**

**1P133 (f)**

1P135 (c) \*\*\* this product is no longer Recognized \*\*\*

**1P350 (e)**

**1P656 (d)**

**1P700 (b)**

**1P756 (h)**

**1P801**

**1P802**

**1P802 (k)**

**1P833 xx (@)**

**1PEN2**

**1PEN3**

**1PN3R**

**1PN820 (o)**

**1PN828 (o)**

**1TF05**

Symbio Inc

N35660Y

SYMBIO INC [E50292] - Listed or Recognized Component

**35660 (a)**

**35660Y (e)**

**35661 (c)**

**KA180H**

TAE HWA INDUSTRIAL CO LTD [E92677] - Listed or Recognized Component

**E-3338**

**H-2715**

**H-5673 (+)**

**S-9101**

Taehwa Industries

C-3310

E-3338

H6701

S-2115

TERAQKA SEISAKUSHO CO LTD [E56086] - Listed or Recognized Component

**560S #2**

**560S #3**

560S #5 \*\*\* this product is no longer Recognized \*\*\*

561S #2 \*\*\* this product is no longer Recognized \*\*\*

561S #3 \*\*\* this product is no longer Recognized \*\*\*

561S #7 \*\*\* this product is no longer Recognized \*\*\*

**630F #25 (a)**

630F2 #50 (i) \*\*\* this product is no longer Recognized \*\*\*

**631S #25, 632S #25 (a)**

631S #38 (d) \*\*\* this product is no longer Recognized \*\*\*

631S2 #50, 632S2 #50 (a) \*\*\* this product is no longer Recognized \*\*\*

635F \*\*\* this product is no longer Recognized \*\*\*

**636F**

**650S #50**

**652S #25**

**653F #25**

**654S #25**

673AB 0.27 (b) \*\*\* this product is no longer Recognized \*\*\*

673AB 0.45 (b) \*\*\* this product is no longer Recognized \*\*\*

**673F 0.27**

**673F 0.5**

673FG 0.45 (b) \*\*\* this product is no longer Recognized \*\*\*

678F 0.27 (b) \*\*\* this product is no longer Recognized \*\*\*

**831S**

Teraoka Seisakusho Co., Ltd.

530F

epoxy varnish impregnated nonwoven polyester fabric, acrylic ad

**Core tubes and Bobbins**

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

Designation	comments
<u>CELANESE INTERNATIONAL CORP [E41938] - employing Recognized materials</u> <b>Zytel 101(r9)(f1), 101F(r9)(f1), 101L(r9)(f1), E101(r9)(f1), E101L(r9)(f1)</b> <b>Zytel 103FHS(+), 103HSL(+), RN5077E(+), E103HSL(+)</b> <b>Zytel 70G13L</b> <b>Zytel 70G30HSL, 70G30HSLR</b> <b>Zytel 70G33HS1L(+)</b> <b>Zytel 70G33L(+)</b> <b>Zytel FR50(+)(f1)</b>	
<u>CHANG CHUN PLASTICS CO LTD [E59481] - employing Recognized materials</u> <b>LONGLITE 4130</b> <b>LONGLITE T375J(G5)(G6)</b> <b>T200NA</b>	
<u>Hitachi Chemical Co Ltd</u> CD-F-800 CP-J-8600 CP-J-8700	
<u>Kolon Industries</u> KP212V0	
<u>SAMYANG CORPORATION [E121254] - employing Recognized materials</u> <b>TRIBIT, Sam Yang's Co. Ltd. PBT 1500GN-30</b>	
<u>SUMITOMO BAKELITE CO LTD [E41429] - employing Recognized materials</u> <b>SUMIKON AM-1130, AM-113</b> <b>SUMIKON PM-9720</b> <b>SUMIKON PM-9830</b>	
<u>SUMITOMO CHEMICAL CO LTD [E249884] - employing Recognized materials</u> <b>SUMIKASUPER E4008(c4)(c2)(c3)(j)</b>	
<u>TORAY INDUSTRIES INC [E41797] - employing Recognized materials</u> <b>1494</b>	

## Spacer and Wedges

spacer and wedges are optional for this system

Designation	comments
<u>E. I. Dupont de Nemours &amp; Co.</u> 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
<u>Changyuan Electronics Group Co Ltd</u> CB-TT	
<u>Daikin</u> EP-520	
<u>Essex Furukawa Magnet Wire Japan Co., Ltd. [E58401] - Recognized Component</u> <b>PI-Tube, PIT-S</b>	
<u>GREAT HOLDING INDUSTRIAL CO LTD [E156256] - Recognized Component</u> <b>TFL</b> <b>TFS</b> <b>TFT</b>	
<u>Hoechst</u> TFBX7100	
<u>KURABE INDUSTRIAL CO LTD [E52717] - Recognized Component</u> <b>SE-1</b> <b>SE-2</b>	
<u>LS CABLE &amp; SYSTEM LTD [E84393] - Recognized Component</u> <b>GSHS-1625</b>	
<u>NIKKAN INDUSTRIES CO LTD [E55258] - Recognized Component</u> <b>S-693F-1</b>	
<u>NIKKAN INDUSTRIES CO LTD [E72406] - Recognized Component</u> <b>S-693-600</b>	
<u>NIKKAN INDUSTRIES CO LTD [E88468] - Recognized Component</u> <b>E-651U-1</b> <b>E-651U-2</b>	
<u>NISSEI ELECTRIC CO LTD [E67922] - Recognized Component</u> <b>RSU-1</b>	
<u>Nissei Electric Co., Ltd</u> RSU-2	
<u>P LEO &amp; CO LTD [E176865] - Recognized Component</u> <b>2T-TFL-xx.x (a)</b> <b>2T-TFS-xx.x (a)</b>	
<u>P. Leo &amp; Co Ltd</u> 2R-YG	
<u>SUMITOMO ELECTRIC FINE POLYMER INC [E48762] - Recognized Component</u> 811 or Sumitube F2 *** this product is no longer Recognized ***	
<u>SUMITOMO ELECTRIC FINE POLYMER INC [E75077] - Recognized Component</u> <b>851 or SUMITUBE F4</b>	
<u>Young Woo Co. Ltd.</u> YT-130 Yt-130A YT-140	

YT-605  
YT-605R

Zeus Company Inc [E64007] - Recognized Component  
**TFE-HW-600, TFE-SW-600**  
**TFE-LW-150, TFE-SW-150, TFE-TW-150**  
**TFE-TW-300, TFE-SW-300, TFE-HW-300**

## **Tie Cords**

tie cords are optional for this system

Designation

comments

Various Manufacturers  
Uncoated fiberglass

## **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 \*\*\*

ELANTAS PDG, Inc. [E75225] - Recognized Component  
**434 Air Dry**  
**468-2 (d), 468-2FC (d), 468-2-7-xxF (d), 468-2-7FC-xxF (d)**  
**V1380, V1380FC, V1380FC Black, 80381FC**  
**V1630, V1630FS, V1630FS50, V1630FS Black, 80361, 80361FS**

John C Dolph Co [E317427] - Recognized Component  
**AC-43, EB-43-HG, EB-43-FB, AC-43-66, EG-43/698-D, EG-43/759-D, ER-43/368-D, EB-43/387-D**  
**BC-346A, BC-346-A, BC-346B, BC-346-E, BB-348, BB-346-HF, BC-346HF, BG-346A, BB-346-A, BB-346/A, BC-370**

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 \*\*\*