

Nomex® 410	2 (0,05)	
Nomex® 411	5 (0,13)	
Nomex® 414	2 (0,05)	
Nomex® 418, 818, 864LAM	2 (0,05)	
Nomex® 992, 992PSB	4 (0,1)	
Nomex® 993, 993PSB	3 (0,08)	
Nomex® 994, 994PSB	3 (0,08)	
Nomex® E56, 356	3 (0,08)	
<u>Dupont Teijin Films</u>		
Mylar	1 (0,03)	polyethylene terephthalate film (PET)
<u>E. I. Dupont de Nemours & 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>		
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[layers]	
800BT *** this product is no longer Recognized ***	1[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>Nitto Inc [E20392] - Recognized Component</u>		
P-245 (a) (P-245 BLK (a))	2[layers]	
<u>P LEO & CO LTD [E126174] - Recognized Component</u>		
1H860 (f)	1[layers]	
1P130-3 (b) (\$)	1[layers]	
1P350 (e)	1[layers]	
1P756 (h)	1[layers]	
1P801	1[layers]	
1P802	1[layers]	
1P9FR * (a)	1[layers]	
<u>P. Leo</u>		
1P808	1[layers]	
1P830	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]	
35660Y (e)	1[layers]	
35661 (c)	1[layers]	
MY130 (b)	1[layers]	
<u>TERAOKA SEISAKUSHO CO LTD [E56086] - Recognized Component</u>		
560S #2	1 (0,03)	
560S #3	1[layers]	
560S #5 *** 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]	
631S #38 (d) *** this product is no longer Recognized ***	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]	
<u>Toray Industries</u>		
Lumirror S10	1 (0,03)	

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	PTFE - polytetrafluoroethylene
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

E. I. DuPont de Nemours & Co.
Kapton Grades H, V, HN, VN and HA
Nomex® 424
Nomex® 425

GE Toshiba Silicone
TSE-3331
TSE-3331K

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

3M COMPANY [E17385] - Listed or Recognized Component

1 (a)
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-2 (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)

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-204 (h)
DTS-230 *** this product is no longer Recognized ***
DTS-241

Duck Sung Hitech Co., Lt
220-F

INTERTAPE POLYMER GROUP [E20780] - Listed or Recognized Component

4426-00 (41)*
4427-00 (415)*
51560-08 (a)
51578 (415SA)*
51580-00 (40)* (b)
51587-04*
51588 (50)*
51589-00*
51589-04*
51595* (b)
51596* (b)
51599 (17)*
54113

Intertape Polymer Group (Tesa, Tuck, Spinnaker)

51587-17
51589-17
51594-17

polyester film
polyester film

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

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 ***

Nitto Inc [E20392] - Listed or Recognized Component

P-245 (a) (P-245 BLK (a))

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)
1H86R (g)
1K063
1K7170
1K7171A
1N008
1N012
1N155
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

Saint-Gobain Performance Plastics Corp.

K102
K104

acrylic adhesive, polyimide film
silicone adhesive, polyimide film

Symbio Inc
N35660Y

SYMBIO INC [E50292] - Listed or Recognized Component

35660 (a)
35660Y (e)
35661 (c)
KA180E
KA180H
KA180HA
KA180K
KA180L
MY130 (b)

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

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

560S #2

560S #3

560S #5 *** 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 ***

650S #50

673F 0.27

673F 0.5

831S

Teraoka Seisakusho Co., Ltd.

530F

Young Woo

YT-130A

YT-605

YT-605B

YT-605R

YT-605W

YOUNG WOO CO LTD [E203272] - Listed or Recognized Component

YT-130

YT-140 *** this product is no longer Recognized ***

epoxy varnish impregnated nonwoven polyester fabric, acrylic ad

Core tubes and Bobbins

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

Designation

comments

CELANESE INTERNATIONAL CORP [E41938] - employing Recognized materials

Zytel 101(r9)(f1), 101F(r9)(f1), 101L(r9)(f1), E101(r9)(f1), E101L(r9)(f1)

Zytel 103FHS(+), 103HSL(+), RN5077E(+), E103HSL(+)

Zytel 70G13L

Zytel 70G30HSL, 70G30HSLR

Zytel 70G33HS1L(+)

Zytel 70G33L(+)

Zytel FR50(+)(f1)

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

LONGLITE 4115(f1)

LONGLITE 4130

LONGLITE T-355J, T355J

LONGLITE T353 *** materials are no longer Recognized ***

LONGLITE T373J

LONGLITE T375J(G5)(G6)

T200NA

T220NA

Changyuan Electronics (Shenzhen) Co Ltd

CB-HFT

CB-HFT-300

CB-HFT-600

Changbao102

Hexion Specialty Chemicals GMBH

PF2736 (a) (b)

Hitachi Chemical Co Ltd

CD-F-800

CP-J-8600

CP-J-8700

Kingboard Laminates

KR3150 FR-1

Kolon Industries

KN333HS

KP212V0

Nan Ya Plastics (Hui Zhou) Corp LTD

1403G5G

NAN YA PLASTICS (HUI ZHOU) CORP LTD [E235269] - employing Recognized materials

1403G1

1403G2

1403G3

1403G4

1403G6

SUMITOMO BAKELITE CO LTD [E41429] - employing Recognized materials

SUMIKON AM-1130, AM-113

SUMIKON PM-9630

SUMIKON PM-9720

SUMIKON PM-9750

SUMIKON PM-9820, PM-9825

SUMIKON PM-9830

SUMITOMO CHEMICAL CO LTD [E249884] - employing Recognized materials

SUMIKASUPER E4008(c4)(c2)(c3)(j)

TORAY INDUSTRIES INC [E41797] - employing Recognized materials

1494

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
CB-TT

Essex Furukawa Magnet Wire Japan Co., Ltd. [E58401] - Recognized Component
PI-Tube, PIT-S

GREAT HOLDING INDUSTRIAL CO LTD [E156256] - Recognized Component

TFL
TFS
TFT

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

NIKKAN INDUSTRIES CO LTD [E55258] - Recognized Component
S-693F-1

NIKKAN INDUSTRIES CO LTD [E72406] - Recognized Component
S-693-600

NISSEI ELECTRIC CO LTD [E67922] - Recognized Component
RSU-1

Nissei Electric Co., Ltd
RSU-2

P LEO & CO LTD [E176865] - Recognized Component
2T-TFL-xx.x (a)
2T-TFS-xx.x (a)

SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD [E203950] - Recognized Component
WF

SUMITOMO ELECTRIC FINE POLYMER INC [E48762] - Recognized Component
811 or Sumitube F2 *** this product is no longer Recognized ***

SUMITOMO ELECTRIC FINE POLYMER INC [E75077] - Recognized Component
851 or SUMITUBE F4

Young Woo Co, Ltd.
YT-130
Yt-130A
YT-140

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

Potting Compounds

potting compounds are optional for this system

Designation comments

Fong Young Chemical Co., Ltd.
E-536A/H-536B
E-759/H-759
E532-1A/H532-1B

GE Toshiba Silicone
TSE3331
TSE3331K

HUNG SHIUNG ENTERPRISES CO LTD [E180899] - employing Recognized materials
F205-A/H042

Varnishes

varnishes are optional for this system

Designation comments

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

Miscellaneous Minor Insulations

miscellaneous minor insulations are optional for this system

Designation comments

CHANG CHUN PLASTICS CO LTD [E59481] - employing Recognized materials
LONGLITE T-355J, T355J
LONGLITE T357
LONGLITE T375J(G5)(G6)
LONGLITE T399J
T200NA
T220NA

Chem Tech
ES-928P

ES905
ES928P-1
ES928P-2
ES928P-3
SHA-101D
SHA-101D-1

Adhesive

DuPont Specialty Products USA, LLC [E34739] - employing Recognized materials

Nomex® 410
Nomex® 411
Nomex® 414
Nomex® 416, 416 LAM
Nomex® 418, 818, 864LAM
Nomex® 992, 992PSB
Nomex® 993, 993PSB
Nomex® 994, 994PSB

E. I. Dupont de Nemours & Co.

Kapton H
Kapton HA
Kapton HN
Kapton V
Kapton VN
Nomex 424
Nomex 425
Nomex E56A

Hitachi Chemical

CP-J-8600
CP-J-8700
CP-J-8800

KUO SEN ENTERPRISE CO LTD [E239105] - employing Recognized materials

EP141FR

Noroo Paint & Coatings

DEM-1000
DEM-1001
DEM-1002
DEM-1003

Adhesive
Adhesive
Adhesive
Adhesive

Se Kye Chemical Co., Ltd.

SK-011
SK-013F
SK-015B
SK-017
SK-018
SK-021
SK-031F
SK-1000

SUMITOMO BAKELITE CO LTD [E41429] - employing Recognized materials

SUMIKON AM-1130, AM-113
SUMIKON PM-9630
SUMIKON PM-9720
SUMIKON PM-9750
SUMIKON PM-9820, PM-9825
SUMIKON PM-9830
SUMIKON PM-9850

Sung Moon Telecommunication

UNIBOND-812