

<b>OBJS2 System Component, Electrical Insulation - Component</b>		<b>E209189</b>
<b>SUMITOMO BAKELITE CO LTD</b>		
2100 TAKAYANAGI FUJIEDA-SHI SHIZUOKA 426-0041 JP		
<b>System Component</b>	<b>System Designation</b>	<b>System Temp (Class)</b>
<b>PM-9720, PM-9750, PM-9820, PM-9630, PM-9830, PM-9850, AM-113</b>	<b>SBI4.2</b>	<b>130(B)</b>
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## 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, unless otherwise 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 indicated below are minimum.

**Note: Note 1. When Furukawa or Totoku triple insulated wires are used to produce a winding, no additional ground or interwinding insulation is required to separate this winding from other enameled magnet wire windings or between this winding and grounded or dead metal. Note 2. When a polyurethane wire without an ANSI MW type is used no varnish is allowed to be used.**

<b>Winding Wire</b>	<ul style="list-style-type: none"> <li>- Recognized Component - Magnet wire (OBMW2), single build or greater, round or rectangular listed below or</li> <li>- Recognized Component - Single and Multi-Layer Insulated Winding Wire (OBJT2) listed below or</li> <li>- Recognized Component - Appliance Wiring Material (AVLV2) listed below</li> <li>- Bare conductors wrapped or interleaved with a paper or film listed below need not be a Recognized Component</li> </ul>
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(unless otherwise noted, winding wire types listed below may be used in combination within a single product)

- MW 28 and 130C Polyurethane (Polyamide)
- MW 75 or 130C Polyurethane
- MW 79 or 155C Polyurethane
- MW 80 or 155C Polyurethane (Polyamide)
- MW 82 or 180C Polyurethane
- MW 83 or 180C Polyurethane (Polyamide)

<b>Furukawa</b>	
TEX-E	4.5 mils (0.11 mm) triple insulated
TEX-ECEW3	4.5 mils (0.11 mm) triple insulated
TEX-ELZ	4.5 mils (0.11 mm) triple insulated

<b>Totoku Electric</b>	
TIW-2LZX	Litz Wire of TIW-2X
TIW-2SLZX	Litz Wire of TIW-2SX
TIW-2SX	triple insulated
TIW-2X	triple insulated
TIW-3LZX	Litz Wire of TIW-3X
TIW-3SLZX	Litz wire of TIW-3SX
TIW-3SX	triple insulated
TIW-3X	triple insulated
UEW-3-TC	polyurethane basecoat wrapped with PET fiber

### Ground & Interwinding Insulations

Any Recognized Component Plastic (QMFZ2), polyethylene terphthalate film (PET) 0.98 mils (0.02 mm) - various manufacturers  
 Designation (no.)    mils(mm) comments

**3M (Minnesota Mining & Mfg Co)**

Recognized Component - Insulating Tape

1	1 (layers)	(OANZ2)
1298	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1298CR	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1318-1	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1318-2	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350-1	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350-2	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350CR-1	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350CR-2	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350F-1	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350F-2	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350T-1	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350T-2	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1350T-3	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1351-1	1 (layers)	
1351-2	1 (0.03)	
1351T-1	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
1351T-2	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
44D	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
44D-A	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
44T	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
44T-A	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
5	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
54	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
55	1 (0.03)	Recognized Component - Insulating Tape (OANZ2)
56	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
57	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
58	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
74	2 (layers)	Recognized Component - Insulating Tape (OANZ2)
75	1 (layers)	Recognized Component - Insulating Tape (OANZ2)
Super 10	1 (layers)	Recognized Component - Insulating Tape (OANZ2)