



**Status of U.L. Approvals
System Components, Electrical Insulation - Component – LATIS1
LATI S.p.A. - Updated January 2002**

file LATI: E 211801 - OBJS2

System Component	System Dsg	System Temp Class	System Max V
Latamid 6 H2 G/20-V2 HF	LATIS 1	155 (F)	600 V
Latamid 66 H2 G/25-V0 CT1	LATIS 1	155 (F)	600 V
Latamid 66 H2 G/25-V0 KB1	LATIS 1	155 (F)	600 V
Latamid 66 H2 G/30	LATIS 1	155 (F)	600 V
Latamid 68 H2-V0	LATIS 1	155 (F)	600 V
Later 4 G/30-V0	LATIS 1	155 (F)	600 V

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.

Winding Wire	- Recognized Component - Magnet wire (OBMW2), single build or greater, round or rectangular listed below or - Recognized Component - Single and Multi-Layer Insulated Winding Wire (OBJT2) listed below or - Recognized Component - Appliance Wiring Material (AVLV2) listed below
	MW 77 or 180C Polyester-imide MW 78 or 180C Polyester-imide (Polyamide) MW 79 or 155C Polyurethane MW 80 or 155C Polyurethane (Polyamide) MW 82 or 180C Polyurethane MW 83 or 180C Polyurethane (Polyamide)

Ground & Interwinding Insulations	
Any Recognized Component Plastic (QMFZ2), polyethylene terphthalate film (PET) 3 mils (0.08 mm) - various manufacturers	
Designation (no.)	mils(mm) comments

E. I. Dupont de Nemours & Co.	
Kapton	3 (0.08)
Nomex 410	3 (0.08) aramid insulating paper
Nomex 414	3 (0.08) aramid insulating paper
Nomex 416	3 (0.08) aramid insulating paper
Nomex 418	3 (0.08) aramid insulating paper

Lati Industria Termoplastici SpA	
LATAMID 6 H2 G/20-V2HF	16 (0.41)
LATAMID 66 H2 G/25-V0CT1	16 (0.41)
LATAMID 66 H2 G/25-V0KB1	16 (0.41)
LATAMID 66 H2 G/30	16 (0.41)
LATAMID 68 H2-V0	16 (0.41)
LATER 4 G/30-V0	16 (0.41)

Lead Wires (optional)	
125 XLPE - irradiated crosslinked polyethylene + 150 SI - silicone rubber - with or without glass braid 150 XLPE - crosslinked polyethylene 150 XLPO - crosslinked polyolefin	
+ 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 excluded from this requirement by a special note at the beginning of this table.	

Minor Sheet Insulations layer, outer, wrap etc.	
Any sheet insulation or tape described in this table with no minimum thickness requirement.	

Tapes (optional)	
Designation (no.)	comments

3M (Minnesota Mining & Mfg Co)	
27	thermosetting rubber adhesive, glass cloth

Sleevings (optional)	
Designation (no.)	
Balconi	
TVE 19.70	
Bettoni	
TF-5	
Coveme	
GES	
Faet	
Faetube HES25	
Omerin	
Siligaine 15C3	
Panduit	
TV 105	
Varflex	
Varglas Silicone Rubber	

Tie Cords (optional)	
Designation (no.)	comments
Ludlow Textile	
LP 346	
Nikol Weber	
dtex 1100	polyester cord

REMARKS

LATI does not guarantee that the data contained in this list are current, complete and error-free. To double check the values, users are kindly requested to contact LATI Technical Assistance or commercial network. LATI Industria Termoplastici S.p.A. declines all responsibility arising from any use of the information described in this document.



**Status of U.L. Approvals
System Components, Electrical Insulation – Component - LATIS2
LATI S.p.A. - Updated September 2007**

file LATI: E 211801 - OBJS2

System Component	System Dsg	System Temp Class
LATAMID 66 H2 G/25-V0CT1	LATIS 2	155 (F)
LATAMID 66 H2 G/25-V0KB	LATIS 2	155 (F)
LATAMID 66 H2 G/50-V0KB1	LATIS 2	155 (F)
LARTON G/40	LATIS 2	155 (F)
LATER 4 G/30	LATIS 2	155 (F)
LARAMID G/35	LATIS 2	155 (F)
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Winding Wire	- Recognized Component - Magnet wire (OBMW2), single build or greater, round or rectangular listed below or - Recognized Component - Single and Multi-Layer Insulated Winding Wire (OBJT2) listed below or - Recognized Component - Appliance Wiring Material (AVLV2) listed below	
	MW 35 or 200C Polyester-amide-imide (Polyamide-imide) MW 36 or 200C Polyester-amide-imide (Polyamide-imide) MW 73 or 200C Polyester-amide-imide (Polyamide-imide) MW 74 or 200C Polyester-amide-imide	
Various Manufacturers		
	MW35 or MW73, polyester basecoat w/ a polyamide-imide topcoat, rated 200 C MW74, Polyester-amide-imide basecoat only	
Ground & Interwinding Insulations		
Designation (no.)	mils(mm) comments	
E. I. Dupont de Nemours & Co.		
Kapton H, V, HN, VN or HA Grades	5 (0.13)	
Nomex 410	10 (0.25) aramid insulating paper	
Lati Industria Termoplastici SpA		
LARAMID G/35	40 (1.02)	
LARTON G/40	40 (1.02)	
LATAMID 66 H2 G/25-V0CT1	40 (1.02)	
LATAMID 66 H2 G/25-V0KB	40 (1.02)	
LATAMID 66 H2 G/50-V0KB1	40 (1.02)	
LATER 4 G/30	40 (1.02)	
Lead Wires (optional)		
125 XLPE - irradiated crosslinked polyethylene + 150 SI - silicone rubber - with or without glass braid 150 XLPE - crosslinked polyethylene 150 XLPO - crosslinked polyolefin + 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 excluded from this requirement by a special note at the beginning of this table.		
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Tapes (optional)		
Designation (no.)	comments	
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27	thermosetting rubber adhesive, glass cloth	
Sleevings (optional)		
Designation (no.)	comments	
Balconi		
TVE 19.70		
Bettoni		
TF-5		
Coveme		
GES		
Faet		
Faetube HES25		
Omerin		
Siligaine 15C3		
Panduit		
TV 105		
Varflex		
Varglas Silicone Rubber		
Tie Cords (optional)		
Designation (no.)	comments	
Ludlow Textile		
LP 346		
Nikol Weber		
dtex 1100	polyester cord	

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