



# UL-RECOGNIZED 600 VOLT CLASS ELECTRICAL INSULATION SYSTEMS BASED ON NOMEX®

Thermal Class (Hot Spot)	Class R 220°C	Class N 200°C	Class H 180°C	Class F 155°C	Class F 155°C	Class B 130°C
System Number	10	12	16	14	20	18
<b>Magnet Wire</b>	<b>NOMEX® Conductor Wrap</b>					
	MW 16	MW 35	MW 35	MW 35	MW 5	MW 5
	MW 60	MW 36	MW 36	MW 36	MW 24	MW 24
	MW 61	MW 60	MW 60	MW 60	MW 30	MW 30
		MW 61	MW 61	MW 61	MW 35	MW 35
		MW 73	MW 73	MW 73	MW 36	MW 36
		MW 74	MW 74	MW 74	MW 60	MW 60
					MW 61	MW 61
					MW 73	MW 73
					MW 74	MW 74
					MW 76	MW 76
<b>Major Insulation Accepted Minimums (All Systems)</b>	5 mils Type 410 10 mils Type 411 5 mils Type 414* 5 mils Type 418 7 mils Type 419 7 mils Type E56 All thicknesses Type 992, 993, 994 Laminates containing 5 mils of Type 416 and/or Type 464	5 mils Type 410 10 mils Type 411 5 mils Type 414* 3 mils Type 418 7 mils Type 419 7 mils Type E56 All thicknesses Type 992, 993, 994 Laminates containing 5 mils of Type 416 and/or Type 464	5 mils Type 410** 10 mils Type 411 5 mils Type 414* 5 mils Type 418 7 mils Type 419 7 mils Type E56 All thicknesses Type 992, 993, 994 Laminates containing 5 mils of Type 416 and/or Type 464**	5 mils Type 410 10 mils Type 411 5 mils Type 414* 5 mils Type 418 7 mils Type 419 7 mils Type E56 All thicknesses Type 992, 993, 994 Laminates containing 5 mils of Type 416 and/or Type 464	5 mils Type 410** 10 mils Type 411 5 mils Type 414* 5 mils Type 418 7 mils Type 419 7 mils Type E56 All thicknesses Type 992, 993, 994 Laminates containing 5 mils of Type 416 and/or Type 464**	5 mils Type 410 10 mils Type 411 5 mils Type 414* 5 mils Type 418 7 mils Type 419 7 mils Type E56 All thicknesses Type 992, 993, 994 Laminates containing 5 mils of Type 416 and/or Type 464
<b>Minor Insulation</b>	<b>All types and thicknesses of NOMEX® Brand Paper and Pressboards listed above</b>					
	<b>Many other products shown in following tables</b>					
<b>Varnish</b>	Optional	Required	Optional	Optional	Optional	Optional

\* Using 2 plies of 3.4 mil Type 414 or one ply of thicker grades of Type 414 (7 mils and above).

\*\* Only 4 mils of Type 410, 416, 464 are required in our new systems, 16-5B (Class H) and 20-6B (Class F).

System 8-1, a UL-Recognized 600 Volt Class Electrical Insulation System for 240°C applications, is also available.

UL-Recognized Electrical Insulation Systems for 15kV and 34.5kV applications are also available from DuPont. Contact DuPont using one of the addresses on the back of this document for more information.



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