

2- General Characteristics & Main Application

UL Mtl Deg.	Product Description	Availability Round	Thermal Class	UL	NEMA	Typical Application	Features
EIA220 EIA200 EIW200	Polyesterimide w/modified polyamide imide topcoat	Copper	200°C 220°C	● ●	MW 35-C, 73-C MW 37-C	Dry-type transformers, hermetic motors, tool motors, automotive alternator stators, solenoids, television high-voltage transformers, toroidal television yokes.	Very low co-efficient of friction Enhanced windability/insertability. Excellent moisture resistance. Superior performance in hermetics.
EIW-220 EIA-200A	modified polyester w/modified polyamide imide topcoat	Copper Aluminum	200°C 220°C 220°C	● ● ●	MW 35-C, 73-C MW 37-C MW 36-A, 73-A	Microwave Oven transformers, hermetic motors, transformers, toroidal television yokes. Fractional and integral HP motors	Superior performance in hermetics. Low co-efficient of friction Enhanced windability/insertability.
MPE/CR/PAI	modified polyester w/Corona Resistant midcoat and modified polyamide imide topcoat	Copper	220°C		MW37-C	Inverter driven motors	Superior insulation life in comparison to other magnet wires when exposed to extremely harsh electrical environments typical of inverter-driven motors. Improved insulation protection against transient spikes, high frequencies, elevated voltage levels, and short rise time pulses without increasing insulation thickness.
PEWY200	modified polyester w/ polyamide topcoat	Copper	200°C 180°C 155°C	● ● ●	Non-ANSI Type MW 76-C MW24-C	Motors and coils	High thermal stability due to the use of THEIC modified polyester. Polyamide (Nylon) overcoat provides excellent mechanical protection during winding and insertion.
PEW155	Modified polyester	Copper	155°C	●	MW 5-C	Non-utility generator, appliance motors and general purpose coils	Good thermal stability and resistance to chemicals
EI-H EI-N EI-200 EIW-180	Polyster-imide	Copper	180°C 200°C 200°C 180°C	● ● ● ●	MW30-C MW74-C MW 74-C MW30-C	Tool and appliance motors, sub-factional HP and servo motors.	Good thermal stability and resistance to chemicals
UEWH UEW-79, UEWH UEW-79, UEWH	Modified polyurethane	Copper Copper	180°C 155°C 130°C	● ● ●	MW82-C MW79-C MW 75-C	Special type relay, solenoids, ignition coils, might be possible for 180C class in finer size, stepping servo motors. DC-DC inverter	Solderable without prior insulation.
UEWY155 UEWY155	Modified polyurthane w/ polyamide topcoat	Copper	155°C 130°C	● ●	MW80-C MW 28-C	Coils (particularly random wound), universal motors	Solderable without prior insulation. Polyamide (Nylon) overcoat provides excellent mechanical protection during winding and insertion.
UEW-180	Modified polyurethane	Copper	155°C	●	MW 82-C	Ignition coils, low voltage transformers, relays and solenoids	Solderable with high thermal performance
UEWSB	modified polyurethane w/self-bonding	Copper	155°C 180°C	● ●	Non-ANSI Type Non-ANSI Type	Fractional and integral horsepower motors, including universal motors and induction motor stators	Cement forms a strong turn-to-turn bond throughout a winding and often eliminates the need for impregnating varnish. High resoftening temperature of outer cement allows this product to compete with many varnish-impregnated heavy-grade magnet wires.
EIWSB	Polyester-imide + Self-bonding	Copper	180°C 200°C	● ●	MW102 Non-ANSI Type	transformers, toroidal television yokes.	Self-bonding in high temperature Retained bond strength @ 180°C - 200°C