

Magnet Wire Insulation Data

Thermal Rating Degrees C	NEMA Standard MW-1000	Chemical Composition
90/105	MW-11C	Cotton Covered
90/105	MW-31C	Paper Covered
105	MW-37C	Acrylic
105	MW-39C	Acrylic with a Nylon Overcoat
105	MW-1C	Oleoresinous (Plain Enamel)
105	MW-6C	Polyamide
105	MW-2C	Polyurethane
105	•••	Polyurethane with a Friction Surface
105	MW-3C	Polyurethane with a Butyral Overcoat
105	MW-15C	Polyvinyl Formal (Formvar)
105	MW-17C	Polyvinyl Formal with a Nylon Overcoat (Nyform)
105	•••	Polyvinyl Formal Butyral
130	MW-9C	Epoxy
130	•••	Epoxy with a Bondable Epoxy Overcoat
130	MW-28C	Polyurethane with Nylon
130	•••	Polyurethane with a Nylon and Butyral Overcoat
130	MW-44C	Glass Fiber and Polyethylene Terephthalate with a Varnish Overcoat
155	MW-24C	Polyester with a Nylon Overcoat
155	MW-79C	Polyester - Solderable (390° C)
155	MW-80C	Polyester with a Nylon Overcoat - Solderable
155	MW-5C	Polyester with a Polyester Overcoat
155	MW-41C	Glass Fiber and Polyethylene Terephthalate with a Varnish Overcoat
180	MW-44C	Glass Fiber and Polyethylene Terephthalate with a Silicone Overcoat
180	MW-50C	Glass Fiber with a Silicon Overcoat
180	MW-26C	Polyester
180	•••	Silicon
180	MW-27C	Polyester Polyamide
180	MW-30C	Polyester Polyimide
180	MW-82C	Polyester-imide (Solderable 390° to 470° C)
200	MW-10C	Polytetraflouro-Ethylene (Teflon)
200	MW-36C	THEIC Polyester with an Amide-imide
220	MW-35C	Polyester with a Polyamideimide Overcoat
200/220	MW-60C	Polyamide Paper (Nomex)
240	MW-16C	Polyimide (ML)
240	•••	Polyimide Tape (Kapton)
250	•••	Ceramic
400	•••	Ceramic Teflon
500	•••	Aluminum Oxide
550	•••	Ceramic Silicon

The data listed above provides some information on typical types of Copper Magnet Wire (aka Winding Wire) insulations that are offered on the market in the United States.