GP/MR-200® HD

Magnet Wire / Winding Wire

PRODUCT DATA SHEET

NEMA MW36-C

Class 200 - Rectangular Copper
Polyester/Polyamideimide coated magnet wire / winding wire

GP/MR-200® HD has been engineered to provide enhance dielectric breakdown voltage, adhesion, scrape abrasion, and chemical resistance with excellent thermal properties. Product meets and exceeds all of the requirements of NEMA MW 36-C.

Product Attributes

- Superior dielectric values
- Excellent unilateral and repeated scrape abrasion resistance
- Excellent heat shock resistance
- High moisture and chemical resistance

Engineering Highlights

Performance data is representative of rectangular heavy build GP/MR-200® HD copper magnet wire†

	Required Performance - MW 1000	Typical Performance
Thermal Stability	200°C min.	213°C
Thermoplastic Flow	300°C min., CU	395°C
Adherence and Flexibility	30% elong., no cracks, CU	No cracks
Elongation	30% min.	40%
Heat Shock Resistance	220°C, 15% elong.	No cracks
Dielectric Breakdown (AC)	12" shot box, no elong., straight, l,500V	Exceeds 5kV
Dielectric Breakdown (AC)	10% elong., 90° flat bend, l,500V	Exceeds 5kV
Dielectric Breakdown (AC)	10% elong., 90° edge bend, l,500V	Exceeds 5kV
Chemical Resistance	Passes all NEMA chemical resistance requirements	

† *The values shown represent typical average results and are not intended to be used as design data or specification limits.*

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