

Class 180 Polyester Overcoated with Polyamideimide Round Copper Magnet Wire

Table1 Specifications

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| Insulation materials | Polyester Overcoated with Polyamideimide; Polyester (Imide) Overcoated with Polyamideimide; Polyester (Amide) Overcoated with Polyamideimide; Self-Bonding Overcoat Film-Insulated |
| Dimensions | Type 1 14-40 AWG in accordance with 0.104mm-1.732mm Type 2 14-40 AWG in accordance with 0.112mm-1.773mm |
| Certificate | MW 102-C |
| Thermal Class | 180 |

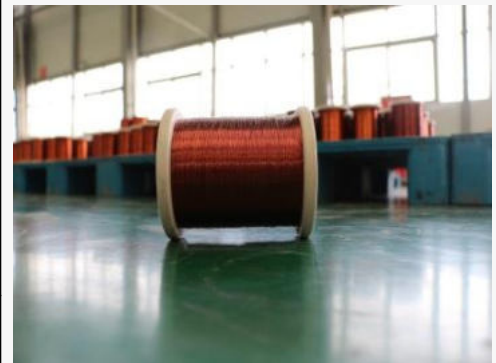


Table 2 Properties

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|---------------------------|--|
| Adherence and flexibility | No cracks visible in the film coating |
| Elongation | Not less than the value in 5-38 |
| Heat shock | No cracks visible in the film coating after conditioning at 200°C |
| Springback | Not greater than the value in Type 1 42-66; Type 2 46-70 |
| Dielectric breakdown | 14-23.5 AWG: not less than the value in Type 1 2740v-3520v; Type 2 4930v-6330v 24-37 AWG: not less than the value in Type 1 1360v-2710v; Type 2 2270v-4870v 38-40 AWG: not less than the value in Type 1 425v-500v; Type 2 850v-950v |
| Continuity | Max number of discontinuities in accordance with Type 1 350-1000; Type 2 500-1500 |

Table 3 Periodic conformance tests

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| Thermoplastic Flow | Median not less than 300°C |
| Breakdown strength at rated temperature | Average not less than 75% of the value required at room temperature |
| Bond Strength At Room Temperature | Minimum 30 lbs. (134 N) of helical coil bond strength of 18 AWG copper after processing at bond conditions agreed between customer and supplier |
| Bond Strength At Elevated Temperature | Minimum 3 lbs. (13 N) of retained helical coil bond strength of 18 AWG copper tested at 180 ±3°C after processing at bond conditions agreed between customer and supplier |

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