



Class 220 Polyester Overcoated with Polyamideimide Film-Insulated Round Aluminum Magnet Wire for Hermetic Applications

Table1 Specifications

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|----------------------|--|
| Insulation materials | Polyester Overcoated with Polyamideimide; Polyester (Imide) Overcoated with Polyamideimide; Polyester (Amide) Overcoated with Polyamideimide |
| Dimensions | Heavy 12-28 AWG in accordance with 0.373mm-2.162mm |
| Certificate | MW 73-A |
| Thermal Class | 220 |



Table 2 Properties

| | |
|---------------------------|---|
| Adherence and flexibility | No cracks visible in the film coating |
| Elongation | Not less than the value in 14-15 |
| Heat shock | No cracks visible in the film coating after conditioning at 240°C |
| Springback | Not greater than the value in 42-66 |





Table 3 Periodic conformance tests

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|---|--|
| Solubility | Specimens immersed in xylene and 50/50 xylene/butyl Cellosolve shall not soften sufficiently to expose the bare conductor |
| Dielectric breakdown at rated temperature | Average not less than 75% of the value required at room temperature |
| Refrigerant R-22 extraction | 14-24 AWG: not greater than 0.25% of weight of film insulation |
| Dielectric breakdown after R22 conditioners | 14-24 AWG: average not less than the value in 4380-5690 |
| Dielectric breakdown | 14-23.5 AWG: not less than the value in 4440-5690 24-28 AWG: not less than the value in 3950-4380 or 1970-2190 respectively |
| Continuity | Max number of discontinuities in accordance with 14-24 AWG: 1500; 24.5-28 AWG: 1000 |



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