

## Class 105 polyvinyl acetal self-adhesive coating round copper magnet wire

**Table1 Specifications**

Insulation materials	Polyvinyl Acetal
Thermal Class	105
Dimensions	14-44 AWG; 14-30AWG
Insulation thickness	Single Heavy
Certificate	UL



**Table 2 Properties**

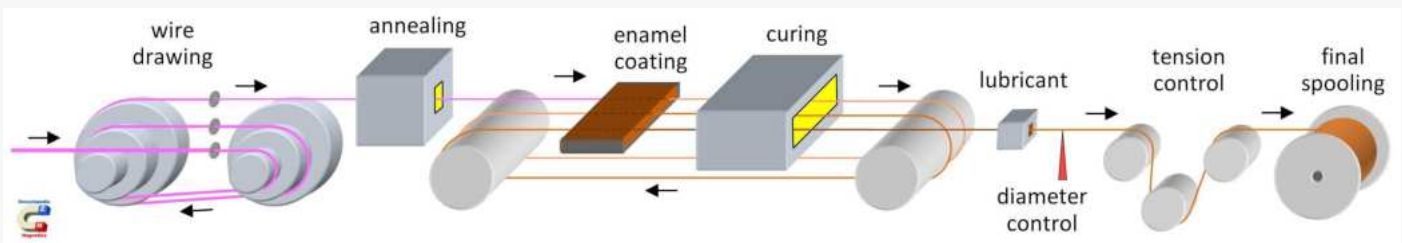
Adhesion and flexibility	No visible cracks in the coating
Elongation	Not less than 5-28
Heat shock	After 175°C treatment, no visible cracks in the film coating
Rebound	AWG 14- AWG 30  Maximum angle per turn: not more than the value between 42-70  Mandrel diameter (mm): not more than the value between 82.6±0.127 – 19.0±0.127  Tension (±2%): not more than the value between 4.45±2% – 0.56±2%
Dielectric breakdown	14-23.5 AWG: not less than 3170v-7720v  24-37 AWG: not less than 2440v-3560v  38-56 AWG: not less than 450v-1650v

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**Table 3 Periodic conformance tests**

Thermoplastic Flow	Median value not less than 180°C
Compatibility	No expansion or blistering of thin film coatings
Dielectric Breakdown Rating	Average value not less than 75% of required value at room temperature Toluene/Ethanol
Combination Adhesion Strength	18, 26 AWG:  Mandrel Diameter (mm): Not more than 3.99-6.35  Tension/N: Not more than 2.0-12.0
Adhesion and flexibility	No visible cracks in the coating

### How to make enameled round copper wire?



### Application



lp-industry

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