

Class 105 Polyvinyl Acetal Rectangular Aluminum Magnet Wire

Table1 Specifications

Insulation materials	Polyvinyl Acetal Film
Thermal Class	105
Bare Wire Dimensions	width: 2mm-25mm, thickness: 0.8 - 10mm
Insulation thickness(mm)	Heavy: width:0.064-0.114 thickness:0.076-0.127 Quad:width:0.102-0.152, thickness: 0.127-0.178
Certificate	UL
Standard	MW-18-A

Table 2 Properties

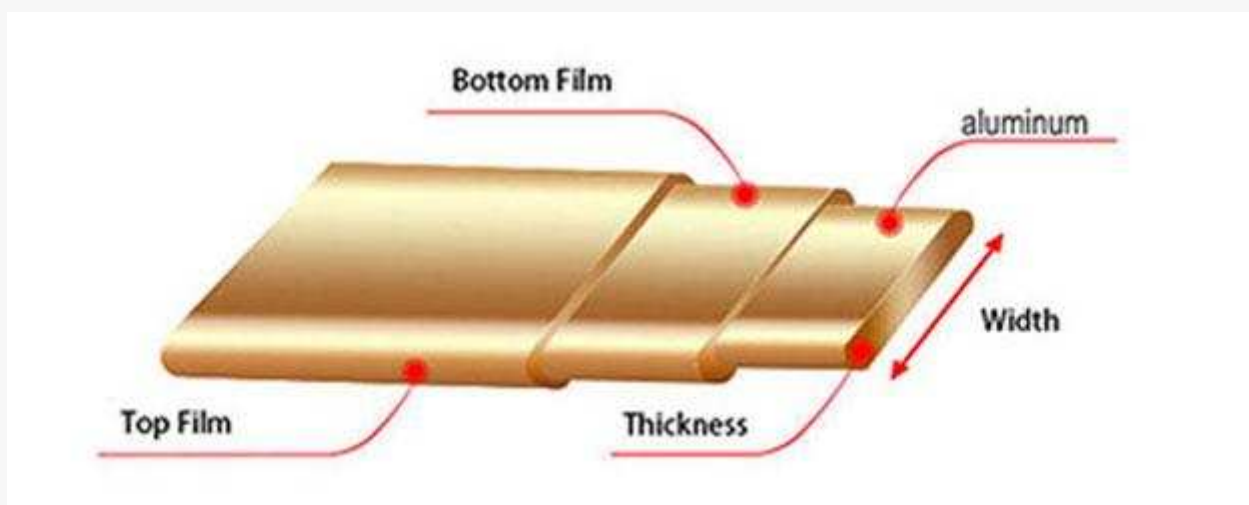
Adherence and flexibility	No cracks visible in the film coating
Minimum Percent Elongation	MW Specification:18, 36, 64 T ≥ 0.049: 15 T < 0.049:15
Heat shock	No cracks visible in the film coating after conditioning at 175°C



Table 3 Periodic conformance tests

Solubility	Specimens immersed in xylene shall not soften sufficiently to expose the bare conductor
Dielectric breakdown rated temperature	Average not less than 75% of the value required at room temperature, when tested on MW 15-A Heavy Build
Toluene / ethanol compatibility	No swelling or blistering in the film coating
Transformer oil resistance	<p>No swelling or blistering in the film coating</p> <p>a)Dielectric breakdown values shall average not less than the values in Table 36</p> <p>b)At least three of the five flexibility specimens shall show no cracks visible in the film coating</p> <p>b) Elongation specimens shall show no swelling or blistering in the film coating</p>

Structure



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