



## MAGNET WIRE

# AMIDANEL™ BONDABLE 180°C

### DESCRIPTION

1. Soft copper round conductor.
2. Insulation based on a modified polyester resin.
3. Modified amide imide resin overcoat.
4. Bondable polyamide resin overcoat

### APPLICATIONS:

- TV sets and monitor manufacturing.
- Motors with class F insulation (155 C) when the use of impregnation varnish is not possible for the process.
- In general all types of self-supported coils (without magnetic core).

### THERMAL CLASS:

- 180 C, Class H

### PROPERTIES:

- Excellent thermal stability, excellent dielectric and mechanical properties.
- Very good chemical resistance to common solvents.
- High bonding stress values and high softening temperature of the adhesive material.
- Low solvent emission during the bonding process.
- Bondable using baking processes, electric current application or solvents.

### GENERAL RECOMMENDATIONS:

- Do not use in electrical or electronic equipment when operating temperatures exceed 180 C.
- Bonding processes do not require very high temperatures to achieve a maximum bonding stress(170 C - 180 C)
- An optimum bonding is achieved using solvents, e.g., methanol or ethanol.
- Care should be exercised to prevent abrasion stress and severe handling of the product during coil unwinding and preparation.
- Do not use in automatic soldering processes.
- Do not use for applications subject to excessive moisture conditions.

### COLORS:

- Amber (typical).

### SPECIFICATIONS:

- IEC-60317-38
- NEMA MW 102-C

### CERTIFICATION:

- Quality system certified by: UL E87331

### ORDERING INFORMATION:

- AMIDANEL™ Bondable magnet wire, gauge, construction (Types I or II), quantity, packing and manufacturing standard.

AMIDANEL™ BONDABLE MANUFACTURING RANGE			
COLOR		TYPE I	TYPE II
Amber (typical)	Gauge	25 to 32 AWG	
	Conductor	0.201 to 0.450 mm	
	Diameter	(0.0079 to 0.0177")	

Approximate data subject to normal manufacturing tolerances.