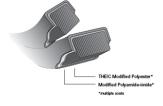


THERM-AIMID





THERM-AIMID

Rea Material Code: TAI
Rea Insulation Code: 22

Insulation Material Description: Theic Modified Polyester overcoated with Polyamide-imide (AI)

Thermal Class: 200 Shape: Shaped Conductor: Copper

NEMA Specification: MW

36-C

IEC Specification:

60317-29

UL Number: E37683

MARKETS

Motors/Generators:

General Comm & Ind Generator HVAC Residential

Automotive: General

TYPICAL APPLICATIONS

Dry-type transformers, power generation, industrial motors, and hybrid electric motors

FEATURES AND BENEFITS

- Tough abrasion-resistant surface which withstands winding operations
- Excellent dielectric performance
- Superior chemical and moisture resistance
- Superior thermal overload protection, especially during locked-rotor condition

Basecoat

High thermal endurance High temperature dielectric Resists thermoplastic flow Excellent adhesion and flexibility

Topcoat

Heat shock resistant Moisture resistant Surface toughness Chemical resistant

TYPICAL PROPERTIES

This data is typical of MW 35-C copper, heavy build insulation only. It is not intended to be used to create specification limits.

THERMAL

Thermal Endurance		
		>210°C
Thermoplastic Flow	minimum	typical
	300°C	350°C
Heat Shock (20% 3X)		
		15% 220°C

MECHANICAL

Mandrel Flexibility	minimum	typical
After Elongation	30% OK	

ELECTRICAL

Dielectric Breakdown	
Flat @ Edge	5 kV
Edge @ RT	5.2 KV

CHEMICAL

72 hrs Exposure + 3.5 kV 300°C Conditioning

Heavy				
	1-14 AWG			
Rectangle Availability				
Min. Width	.081			
Max. Width	.750			
Min. Thickness	.030			
Max. Thickness	.292			