

Resiten® 112 NEMA Grade XX Paper Phenolic Laminates - Frequently Asked Questions

DEPENDABLE ELECTRICAL INSULATION MATERIALS FROM ITEN INDUSTRIES

Resiten® 112 is ITEN Industries' NEMA Grade XX paper phenolic laminate, designed for electrical and electronic insulation applications. Manufactured in the United States through ITEN's vertically integrated process, Resiten 112 provides a reliable, recognizable material solution for engineers and buyers sourcing XX grade laminates.

What Is Resiten® 112?

Resiten® 112 is a paper-reinforced phenolic laminate produced by impregnating layers of paper with phenolic resin and curing under heat and pressure. The result is a rigid, durable laminate designed for electrical insulation applications where dependable performance and availability are required.

Key Characteristics

- ✓ Paper phenolic composite construction
- ✓ Recognized NEMA Grade XX classification
- ✓ Good electrical insulation properties
- ✓ Consistent laminate structure
- ✓ Suitable for machining and fabrication
- ✓ Designed for electrical and industrial applications

Why Is NEMA Grade XX Important?

NEMA Grade XX is a widely recognized industry specification for paper phenolic laminates. Many engineers and buyers begin their sourcing process using this designation. By identifying Resiten 112 as NEMA Grade XX, ITEN makes it easier to:

- ✓ Match specifications quickly
- ✓ Simplify sourcing decisions
- ✓ Ensure material compatibility

What Are the Key Benefits of Resiten® 112?

Resiten 112 is designed to provide practical, dependable performance in electrical insulation applications.

- ✓ **Electrical Insulation Performance**
Supports reliable insulation in electrical and electronic systems.
- ✓ **Recognized Industry Grade**
Clearly aligns with NEMA Grade XX specifications used across industries.
- ✓ **Machinability**
Can be drilled, punched, and machined for fabricated components.
- ✓ **Consistent Construction**
Uniform laminate structure supports predictable performance.
- ✓ **Practical Availability**
Standard sheet sizes simplify quoting and purchasing.

What Applications Is Resiten® 112 Used For?

Resiten 112 is commonly used in electrical and industrial insulation applications, including:

- ✓ Terminal boards
- ✓ Electrical insulation components
- ✓ Insulating panels
- ✓ Electrical equipment components
- ✓ Industrial insulation parts

What Sheet Sizes Are Available?

Resiten® 112 is available in standard sheet sizes:

- ✓ 36" x 48"
- ✓ 48" x 48"
- ✓ 48" x 72"
- ✓ 48" x 96"

Standard sizing helps streamline purchasing and production planning.

Can Resiten® 112 Be Fabricated or Machined?

Yes. Resiten 112 is a machinable laminate suitable for a variety of fabrication processes. ITEN offers in-house capabilities including:

- ✓ CNC machining
- ✓ Custom component fabrication
- ✓ Drilling and milling
- ✓ Tooling design and development
- ✓ Precision punching

This allows ITEN to supply material from sheet form to finished parts.

Where Is Resiten® 112 Manufactured?

Resiten 112 is manufactured in Ashtabula, Ohio, as part of ITEN Industries' vertically integrated production process. This ensures:

- ✓ Consistent material quality
- ✓ Reliable supply
- ✓ Responsive customer support
- ✓ Reduced supply chain risk

How Does Resiten® 112 Support Procurement and Supply Needs?

ITEN provides practical supply advantages for customers sourcing XX grade laminates:

- ✓ Predictable lead times
- ✓ Flexible order quantities
- ✓ Domestic production (no offshore delays)
- ✓ Standard sheet availability
- ✓ Support for custom fabrication

How Do I Get Started?

Need a dependable source for XX grade paper phenolic? The Iten Industries team is ready to help you select the right solution, provide technical guidance, and deliver high-quality materials built to perform.

[Request a quote or speak with an Iten engineer today.](#)

Built to perform. Made in the USA.