

Resiten 112 NEMA Grade XX Paper Phenolic Laminates Guide

RELIABLE ELECTRICAL INSULATION AND MECHANICAL PERFORMANCE FOR EVERYDAY INDUSTRIAL APPLICATIONS.

Resiten 112 is a NEMA Grade XX paper-based phenolic laminate, engineered for applications requiring dependable electrical insulation and moderate mechanical strength.

Manufactured using layers of paper impregnated with phenolic resin, this material offers a cost-effective solution for electrical and structural components across a wide range of industries.

When to Choose NEMA Grade XX

Resiten 112 is ideal when your application requires:

- » Cost-sensitive material selection
- » Reliable electrical insulation
- » Moderate mechanical performance
- » High-volume production capability

If your application requires higher heat or moisture resistance, ITEN can recommend alternative grades.

Key Performance Benefits



CONSISTENT ELECTRICAL INSULATION

Provides reliable dielectric strength for low- to medium-voltage applications.



COST-EFFECTIVE MATERIAL SOLUTION

An economical choice for high-volume parts without sacrificing performance.



GOOD MECHANICAL STRENGTH

Supports structural integrity in fabricated components and assemblies.



EASY TO MACHINE & FABRICATE

Excellent for punching, machining, and custom part production.

Material Properties Overview

- » NEMA Grade: XX
- » Base Material: Paper Phenolic
- » Electrical Strength: Moderate
- » Mechanical Strength: Moderate
- » Moisture Resistance: Moderate
- » Operating Environment: Dry to controlled environments

Common Applications

Resiten 112 is widely used in:

- » Electrical insulation components
- » Terminal boards
- » Switchgear parts
- » Control panels
- » Structural supports
- » Spacers and barriers

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Key Performance Benefits

MADE IN THE USA

Manufactured in Ashtabula, Ohio for reliable, tariff-free supply and consistent quality.

VERTICALLY INTEGRATED MANUFACTURING

From raw material to finished parts, ITEN controls every step, ensuring consistency, quality, and speed.

CUSTOM FABRICATION CAPABILITIES

Precision punching, machining, and fabrication tailored to your exact specifications.

RAPID TURNAROUND TIMES

Reliable delivery schedules to keep your production moving.

ENGINEERING SUPPORT

Collaborate with experts to optimize material selection and part design.

PROVEN EXPERIENCE

Over 100 years supporting American industry with engineered material solutions.

Partner with ITEN

For over 100 years, ITEN Industries has delivered **engineered material solutions** that solve real-world challenges.

When you choose ITEN, you gain:

- » Proven manufacturing expertise
- » Consistent product quality
- » Responsive customer support
- » A true engineering partner

Need Resiten 112 for Your Application?

Get expert guidance and fast
turnaround on your next project.

**Request a quote or connect with an ITEN
engineer to discuss your application today.**