



MATERIAL SPECIFICATION

GRADE XPFR PHENOLIC

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|-------------------------------------------------|---------|
| Density, gm/cc | 1.33 |
| Lbs per sq ft (1/8 th) | 0.86 |
| Tensile Strength, PSI, lengthwise | 12,000 |
| Tensile Strength, PSI, crosswise | 9,000 |
| Compressive Strength, PSI, flatwise | 25,000 |
| Flexural Strength, PSI, lengthwise | 16,000 |
| Flexural Strength, PSI, crosswise | 13,000 |
| Hardness, Rockwell (M) | 85 |
| Dielectric VPM, perpendicular, Cond A (1/16) | 500 |
| Dielectric Breakdown kV, Condition A (1/16) | 55 |
| Water Absorption, % 24hrs (1/16 th) | 1.2% |
| Heat Resistance, degrees C, continuous | 105 |
| UL Flammability | UL94V-0 |

NEMA XPFR is a paper-phenolic laminate with added plasticizers for flexibility and punchability. The further addition of flame retardants make it a good choice for a range of punched and easily machined electrical insulation parts such as Terminal Boards, Switch Plates, Barriers, Spacers, Shims and washers where UL Flammability requirements are specified.



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Values are based on typical Test Methods and Conditions and to be used for Engineering and Design Purposes only