



Importers · Distributors · Industrial Laminates · Insulating Materials

Gardenhaus Plaza, Route 940 · PO Box 446 · Pocono Lake, PA 18347-0446 Tel (570) 646-9253 · Fax (570) 646-8263

www.econplastics.com

Econoplas[®] XP-318

Econoplas[®] Grade XP is a high pressure industrial laminate manufactured from a fine grade of paper, saturated with a modified phenolic resin. This material is heat cured and laminated under pressure to produce a flexible composite material with good mechanical strength and electrical insulation properties. **Grade XP** is designed for warm to hot punching up to 0.094" thickness. This Grade is **UL listed**.

Availability:

Sheet Size: 40" x 48"

Color: Natural (Brown)

Thickness Range: 0.015" to 0.118"

Typical Properties

| <i>Characteristic</i> | <i>Value</i> | <i>Characteristic</i> | <i>Value</i> |
|--|--------------|---------------------------------------|--------------|
| Specific Gravity | 1.32 | | |
| Flexural Strength, <i>psi</i> | | Dielectric Strength, <i>Kv</i> | |
| Lengthwise | 14,500 | As Rec'd | 50 |
| Crosswise | 14,000 | Insulation Resistance, MO | 50,000 |
| Izod Impact Strength, <i>ft-lb/inch</i> | | Permittivity, @ 1 MHz | 5.5 |
| Lengthwise | 0.65 | Loss Tangent, @ 1 MHz | 0.050 |
| Crosswise | 0.62 | Operating Tempt, ° C Max | 130 |
| Rockwell Hardness, <i>M Scale</i> | 94 | UL94 Flame Class, | 94HB |
| Water Absorption, % | | | |
| 0.062" thick. | 1.8 | | |