

## ARBORON®

### Composition:

A cellulose based laminate impregnated with thermosetting resins under high temperatures and pressure.

### Sheet Sizes:

Sheet sizes of 48"x96", 60"x120", and 60"x144" in thicknesses: 1/8 3/16 1/4 5/16 3/8 1/2 3/4 1 1 1/4 1 1/2 2. Cut and fabricated to shape.

### Color:

Black matte surface

### Advantages:

Arboron possesses both good mechanical and electrical properties. It has high strength-to-weight ratio, and has excellent chemical and abrasion resistance. It is UL listed and is used in power distribution applications requiring dielectric strength, low moisture absorption, dimensional stability and good mechanical properties. Arboron can be used in many applications as a general replacement for Benelex.

### Specifications:

Density	84.4 lbs/ft <sup>3</sup>
Maximum operating temperature	198°F
Water absorption	
1/8 in	0.9%
1/2 in	0.5%
Rockwell hardness (M scale)	106
Compression strength	
edgewise	43,600 psi
flatwise	22,700 psi
Tensile strength	
machine direction	22,000 psi
cross direction	16,000 psi
Flexural strength	
machine direction	23,000 psi
cross direction	15,000 psi
Arc resistance (1/16 thick)	135 sec