

Boltaron® 4700D

FAR RATED HIGH IMPACT RESISTANT DECORATIVE DESIGN SHEET

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S E R I E S

CHARACTERISTICS

- Wide range of decorative patterns includes:
Carbon Fiber, Simulated Fabrics, Woodgrains, Abstracts
- FAR 25.853(a) compliance
- Excellent durability and impact strength
- Uniform high quality appearance and lot-to-lot color consistency
- Wall thickness integrity in deep draw forming

USES

- Seat parts, arm rests, tray tables
- Passenger service units (PSUs)
- Video monitor shrouds, moldings
- Instrument panel housings
- Class dividers, bulkhead laminates
- Galley and lavatory components

PERFORMANCE DETAILS

FAR RATINGS

- FAR 25.853(a)(i) (Flammability) (Vertical burn, 60 sec) Pass
FAR 25.853(a)(ii) (Flammability) (Vertical burn, 12 sec) Pass

PROPERTIES

Specific Gravity (ASTM D792)	1.424	
Tensile Strength (ASTM D638)	5,300 psi	37 MPa
Flexural Strength (ASTM D790)	8,700 psi	60 MPa
Flexural Modulus (ASTM D790)	297,000 psi 2,050 MPa	
Izod Impact Notched (ASTM D256)	73 °F 15 ft-lb/in	23 °C 808 J/m
Hardness Rockwell (ASTM D785)	106	
Heat Deflection Annealed (ASTM D648)	151°F @ 264 psi	66°C @ 1.82 MPa

*Independent lab tests. All tests at 73 °F (23 °C) in dry conditions unless otherwise noted.

SHEET SIZES

Lengths	to 120 in	3,048 mm
Widths	to 60 in	1,524 mm
Gauges	from 0.028 to 0.25 in	from 0.71 to 6.35 mm

Custom Blank sizes, gauges on request

THERMOFORMING GUIDELINES

Mold Shrinkage	0.5 - 0.7%	
Forming Temperature	335 - 370 °F	168 - 188 °C
Typical Heater Settings	30 - 50% Top 50 - 70% Bottom	
Drying	Not required	

4700D
DECORATIVE

DESIGN OPTIONS

- Colors** Unlimited
Textures Wide range available
Minimum 500 lb

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RELIABILITY MEETS INNOVATION