Boltaron® 4430 Opal

THERMOFORMABLE FAR-RATED SHEET WITH ENHANCED PEARL EFFECT

4000 SERIES

4430

This material upgrade offers more style and designer appeal than standard color sheet. With an iridescent, opal pearl pigment integrated through extrusion, the effect is noticable throughout the sheet. The luster is even further enhanced after thermoforming. It can be color matched to an unlimited range of pearlescent hues, from natural to synthetic tones, and be customized with a wide range of textures.

CHARACTERISTICS

- Has a deep, rich pearlescent effect
- Maintains wall thickness integrity in deep draw thermoforming
- Can be color matched to any pearlescent hue
- Industry's widest range of pressed and extruded textures
- Low minimum order requirements

USES

- Ideal for 2D or 3D aircraft interior parts
- Seat parts and tray tables
- Decorative trim and finish
- Insulation panels, medical equipment
- Electrical and electronic enclosures

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)	1.36	
Tensile Strength @ yield (ASTM D638)	7,000 psi	48 MPa
Flexural Strength (ASTM D790)	10,700 psi	74 MPa
Flexural Modulus @ yield (ASTM D790)	447,600 psi	3,086 MPa
Izod Impact Notched (ASTM D256)	73 °F 1.5 ft-lb/in	23 °C 80J/m
Rockwell Hardness R-scale (ASTM D785)	110	
Heat Deflection Annealed (ASTM D648)	154 °F @264 psi	68 °C @1.8 MPa

* Independent lab tests. All tests at 73 °F (23 °C) in dry conditions and at .125 inches unless otherwise noted.

FLAMMABILITY

UL 94	V-0

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SHEET SIZES

Lengths	to 120 in	3,048 mm
Widths	to 60 in	1,524 mm
Gauges	from 0.028 to 0.250 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 (Top)	30 - 50%	
Typical Heater Settings (Bottom)	50 - 70%	
Drying	Not required	

DESIGN OPTIONS

Colors	Unlimited
Textures	Wide range available
Effects	Enhanced Pearl
Minimum	500 lb

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RELIABILITY MEETS INNOVATION