

Boltaron® 4550

UV RESISTANT FAR-RATED SHEET

GENERAL
THERMOFORMING

CHARACTERISTICS

- High gloss acrylic film
- Excellent UV resistance
- High impact
- Abrasion and chemical resistance
- Thermoformable

USES

- Equipment housings
- Medical products
- Kiosk housings

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)	1.415	
Tensile Strength (ASTM D638)	5,000 - 5,400 psi (34.4 - 37.23 MPa)	
Flexural Strength (ASTM D790)	8,600 - 9,200 psi (59.29 - 63.43 MPa)	
Flexural Modulus (ASTM D790)	3.0 - 3.3 x 10 ⁵ psi (2,068 - 2,275 MPa)	
Izod Impact Notched (ASTM D256)	73 °F 15-18 ft-lb/in	23 °C 801-961 J/m
Hardness Rockwell (ASTM D785)	108 - 110	
Heat Deflection Annealed (ASTM D648)	161 - 163°F @ 264 psi	72 - 73°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 0.04 to 0.25 in	from 1.0 to 6.35 mm

Custom Blank sizes, gauges on request

FLAMMABILITY

UL 94 @.118in (3.0 mm) min. gauge	V-0	
Forming Temperature	335 - 370°F	168 - 187°C
Radiant Panel (ASTM E162)	<10	
Flame Spread Index @.125 in (3.18 mm)		
QUV Accelerated	avg. 3.25 Delta E	
Weathering 2,700 hrs		
Xenon Accelerated	avg. 0.75 Delta E	
Weathering 500 hrs		

THERMOFORMING GUIDELINES

Forming Temperature	335 - 370°F	168 - 188°C
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4550
UV RESISTANT

DESIGN OPTIONS

Colors Unlimited

Textures Course Matte (CM),
Felt (FT), Haircell (HC),
Mesa (MS), Suede (SD)

Minimum 500 lb

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RELIABILITY MEETS INNOVATION

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