

Boltaron® 4335

IMPACT RESISTANT SHEET

SPECIALTY
& H O B B Y

CHARACTERISTICS

- Rigid and impact resistant
- High flexural strength
- Consistent thermoforming characteristics

USES

- Electrical and electronic enclosures
- Insulation panels, medical equipment
- Electronic kiosk housings
- Airport display housings
- Aviation-compatible pet carriers

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)	6,000 psi	41 MPa
Flexural Strength (ASTM D790)	9,200 psi	63 MPa
Flexural Modulus (ASTM D790)	330,000 psi	2,275MPa
Hardness Rockwell (ASTM D785)	110	
Izod Impact Notched (ASTM D256)	73 °F 18 ft-lb/in	23 °C 953 J/m
Heat Deflection Annealed (ASTM D648)	161 °F @264 psi	72 °C @1.82 MPa

*Independent lab tests at 73°F (22.8°C) in dry conditions unless otherwise noted.

FLAMMABILITY

UL 94 @.118 in (3.0 mm) min. gauge	V-0, 5VA ¹
UL 94 @.047 in (1.2 mm) min. gauge	V-0, 5VB ²
Radiant Panel Flame Spread Index (ASTM E162) @0.125 in. (3.18 mm) gauge	<10

^{1,2}Values based on minimum thickness, UL File# E54688

SHEET SIZES

Lengths	to 120 in	3,048 mm
Widths	to 60 in	1,524 mm
Gauges	0.028 in to 0.250 in	0.711 mm to 6.350 mm

Custom Blank sizes, gauges on request

THERMOFORMING GUIDELINES

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

BIOCOMPATIBILITY TEST (ISO 10993-5/10993-10)

Intracutaneous Reactivity Test (IRT)	Certified
MTT Cytotoxicity Assay	Certified
Sensitization	Certified

4335
IMPACT RESISTANT

DESIGN OPTIONS

- Colors** Unlimited
Textures Wide range available

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RELIABILITY MEETS INNOVATION

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