



SIMONA
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RELIABILITY MEETS INNOVATION

Material Innovations
TRUE PEARL

This iridescent, true pearl surface effect brilliantly captures the light, and its luster is even further enhanced after thermoforming. Choose a pearlescent hue from natural to faux finish.

Boltaron® 9815 with a Pearlescent Effect

FAR RATED PEARL EFFECT SHEET

9 0 0 0
S E R I E S

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
FAR 25.853(d)(Part IV)	(OSU Heat Release) (Peak - HRR, kW/m <65) (2 Min - HRR, kW/m ² <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds @ 1.5 min <100) (Ds @ 4 min <200)

PROPERTIES

Specific Gravity (ASTM D792)	1.490
Tensile Strength (ASTM D638)	5,500 psi (38 MPa)
Flexural Strength (ASTM D790)	8,700 psi (60 MPa)
Flexural Modulus (ASTM D790)	410,000 psi (2,827 MPa)
Izod Impact (notched) @ 73 °F (23 °C) (ASTM D256)	5.0 ft-lb/in (265 J/m)
Hardness Rockwell (ASTM D785)	107
Heat Deflection Annealed (ASTM D648)	170 °F @ 264 psi (77 °C @ 1.8 MPa)
Thermal Expansion (ASTM D696)	1.67 x 10 ⁻⁵ /°F (3 x 10 ⁻⁵ /°C)

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

SHEET SIZES

	Extruded Texture	Pressed Texture
Lengths	to 120 in (3,048 mm)	99 or 122 in (2,514 or 3,099 mm)
Widths	to 60 in (1,524 mm)	50 in (1,270 mm)
Gauges	from 0.040 to 0.250 in (1.02 to 6.35 mm)	from 0.040 to 0.250 in (1.02 to 6.35 mm)
Custom	Blank sizes, gauges on request	Blank sizes, gauges on request

DESIGN OPTIONS

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

9815
TRUE PEARL

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