



Recyclable Plastic

General Information

EMPIRE/BOLTARON® 6530 Sheet is an ABS/PVC extruded flame-resistant alloy material. Field-proven in such applications as aircraft seat shrouds, computer panels, and business machine housings.

EMPIRE/BOLTARON 6530 combines exceptional high tensile strength with outstanding thermoforming characteristics, draw ratios, and mold detail reproduction.

Availability

- Colors - standard and custom
- Gauges - up to .250"
- Sheet sizes - up to 60" x 120"
- Textures - variety

Material Rating

Formability	Excellent
Impact strength	Good
Tensile strength	Good
Hardness	Good
Stiffness	Good
Fire resistance	Excellent
Chemical resistance	Fair
Abrasion resistance	Fair
Weather resistance	Poor
Pressure formable	Excellent
Homogeneous material	Yes

EMPIRE/BOLTARON 6530 Typical physical properties

Property	ASTM Test Method	Typical Values
Specific gravity	D-792	1.36 - 1.40
Tensile strength (PSI) .125 gauge	D-638	5,800-6,200
Flexural strength (PSI)	D-790	9,000-9,400
Flexural Modulus (PSI)	D-790	3.0-3.3 x 10 ⁶
Impact resistance Izod notched Ft./in. of notch	D-256	5 - 10
Hardness. Rockwell R	D-785	108-111
Heat Deflection temperature (F) 264 PSI (annealed)	D-648	157-161
Flammability	FAR 25.853 A1,(i) PASS above 0.032 FAR 25.853 A1, (ii) PASS above 0.032	UL-94 (0.060) V-O UL-95 (0.060) 5-VA
MVSS	N/A	PASS
Mold shrinkage	In./in.	0.0005-0.007
Forming temperature	°F	335° - 365°

Limitation of Warranty:

The application suggestions, specifications and other data described here are based upon experience and information that is believed, by Empire Plastics, Inc. to be reliable. However, Empire Plastics makes no express or implied warranty that EMPIRE/BOLTARON 6530 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH EMPIRE/BOLTARON 6530 INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of EMPIRE/BOLTARON 6530 and the application suggestions before actual application.

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