



Recyclable Plastic

GENERAL INFORMATION

EMPIRE/BOLTARON 6800 Sheet is an ABS/PVC alloy press-laminated flame resistant material. Developed specifically in adherence with aviation seat manufacturers' stringent requirements, EMPIRE/BOLTARON 6800 Sheet exhibits such characteristics as good hot tear strength, accurate reproduction of mold detail, deep draw without distortion, minimal moisture, and wide forming range. EMPIRE/BOLTARON 6800 Sheet has been used extensively by seat manufacturers worldwide for more than 30 years.

AVAILABILITY

- Colors - custom
- Gauges - up to .250"
- Sheet sizes - standard:
31" x 61", 34" x 71", 50" x 99", 53" x 88", 56" x 122"
- Textures - variety

EMPIRE/BOLTARON 6800 - Typical physical properties

Property	ASTM test method	Typical values
Specific gravity	D-792	1.30
Tensile strength (PSI) .125 gauge	D-638	6,000
Flexural strength (PSI)	D-790	9,000
Flexural modulus (PSI)	D-790	3.4 x 10 ⁵
Impact resistance Izod notched Ft./in. of notch	D-256	5 - 10
Hardness Rockwell R	D-785	105
Heat Deflection temperature (F) 264 PSI (annealed)	D-648	162°
Flammability	FAR 25.853 (a) FAR 25.853 (b) UL-94 (0.044)	PASS PASS V-O
Radiant panel Flame spread index 0.125 gauge	E-162	<17
Mold shrinkage	In./in.	0.005-0.007
Forming temperature	°F	335° - 365°

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

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 expressed or implied warranty that EMPIRE/BOLTARON 6800 Sheet will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESSED OR IMPLIED WARRANTIES IN CONNECTION WITH EMPIRE/BOLTARON 6800 Sheet, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of EMPIRE/BOLTARON 6800 Sheet and the application suggestions before actual application.