



EMPIRE/BOLTARON 6800

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.

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

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)	PASS
	FAR 25.853 (b)	PASS
	UL-94 (0.044)	V-O
Radiant panel Flame spread inde 0.125 gauge	E-162	<17
Mold shrinkage	In./in.	0.005-0.007
Forming temperature	°F	335° -365°