



EMPIRE/BOLTARON 6540

EMPIRE/BOLTARON 6540 Sheet is a FLAME RETARDANT ABS/PVC extruded sheet, compounded with excellent balance of physical properties. Field-proven in numerous commercial, industrial, institutional and transportation applications, EMPIRE/BOLTARON 6540 Sheet also exhibits outstanding thermoforming characteristics and excellent mold and pattern reproduction. Now produced on state-of-the-art extrusion equipment, this product exhibits high heat distortion temperature, good embossment retention.

MATERIAL RATING

Formability	Excellent
Tensile strength	Excellent
Hardness	Excellent
Stiffness	Excellent
Impact strength	Excellent
Heat distortion resistance	Excellent
Abrasion resistance	Excellent
Fire resistance	Excellent
Chemical resistance	Excellent
Color consistency	Excellent
Pressure formable	Yes
Homogeneous material	Yes
Mold shrinkage	.005-.007 in./in.

AVAILABILITY

Colors - standard and custom
 Gauges - standard and custom up to 0.250"
 Sheet sizes - up to 60" x 120"
 Textures - variety

EMPIRE/BOLTARON 6540 –Typical physical properties

Property	ASTM Test Method	Typical Value
Specific gravity	D-792	1.32
Tensile strength (PSI) .125 gauge	D-638	6,300
Flexural strength (PSI)	D-790	10,000
Flexural modulus (PSI)	D-790	3.7 x 10 ⁵
Impact resistance Izod notched Ft.-lb./in. of notch	D-256	7-10
Hardness Rockwell R	D-785	110
Heat Deflection temperature (°F) 264 PSI (annealed)	D-648	165°
Flammability	FAR 25.853 A1, (i)	PASS
	FAR 25.853 A1, (ii)	PASS
	UL-94 V-0/94 5-VA	0.060"
Radiant panel Flame spread index .093 gauge	E-162	PASS
MVSS 302	N/A	PASS
Forming window	°F	320° -370°