



Recyclable Plastic

General Information

EMPIRE/BOLTARON® 4330 Sheet is an ACRYLIC-MODIFIED POLYVINYL CHLORIDE sheet, custom compounded with excellent balance of physical properties. Field-proven in numerous commercial, industrial, institutional and transportation applications, EMPIRE/BOLTARON 4330 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 and lower heat processability (heats faster/cooling faster), which means faster cycle times on standard thermoforming equipment.

Availability

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

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
Weatherability	Good
Pressure formable	Yes
Homogeneous material	Yes
Mold shrinkage	.005-.007 in./in.

EMPIRE/BOLTARON 4330 Typical physical properties

Property	ASTM Test Method	Typical Values
Specific gravity	D-792	1.40 - 1.43
Tensile strength (PSI) .125 gauge	D-638	5,000-5,400
Flexural strength (PSI)	D-790	8,600-9,200
Flexural Modulus (PSI)	D-790	3.0-3.3 x 10 ⁶
Impact resistance Izod notched Ft./in. of notch	D-256	15 - 18
Hardness Rockwell R	D-785	108-110
Heat Deflection temperature (F) 264 PSI (annealed)	D-648	161-163°
Flammability	FAR 25.853A1,(i) FAR 25.853 A1,(ii) UL-94 V-0/94 5-VA UL-94 V-0/94 5-VB	PASS PASS 0.047"-0.117" 0.118"-0.250"
MVSS	N/A	PASS
Radiant panel Flame spread index .125 gauge	E-162	<10
Forming window	°F	335°-370°

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 4330 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH EMPIRE/BOLTARON 4330 INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of EMPIRE/BOLTARON 4330 and the application suggestions before actual application.

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