

Boltaron Rigiwall® 4333

Acrylic (PMMA) + PVC

Boltaron Performance Products

Message:

Protective wallcovering and related components for commercial and institutional building interiors in gauges from .022 to .040 in. (0.56 to 1.02 mm) resist high impact, abrasion, harsh cleansers/chemicals

Boltaron RIGIWALL® 4333 sheet is a proprietary, calendered PVC/Acrylic alloy developed as a protective and attractive interior wallcovering for commercial and institutional buildings such as hospitals, long term care facilities, commercial and government offices, schools, supermarkets, retail stores, airports, clinics, elevators, prisons and other high traffic interiors.

It can be adhered to interior walls or pre-laminated to MDF and other substrates to create high performance composite sheet products.

Available in gauges from .022 to .040 in. (0.56 to 1.02 mm) Rigiwall 4333 can also be post-formed, thermoformed, machined using conventional tools, bonded and mechanically fastened, allowing the production of corner guards, crash rails, base moldings, profile moldings, connectors, self-supporting panels and other parts that perfectly match RIGIWALL® 4333 sheet applied as protective wallcovering.

More than just decorative, Boltaron RIGIWALL® 4333 sheet is also extremely durable. Boasting an Izod impact rating of 15 ft lbs/in. (795 J/m), it protects interior walls against repeated impacts from carts, wheelchairs, gurneys, shopping carts, luggage and general abuse, while maintaining a like-new appearance.

It is offered in unlimited colors, all of which are monolithic, rendering any gouges or scratches inconspicuous, unlike printed, painted or laminated wallcoverings.

And because it is one of the most chemical-resistant thermoplastics in existence, graffiti and grime can be removed repeatedly using harsh cleansers without fading, staining or degradation.

Add to this a UL Standard 723 listing and a Class 1-A rating, and Boltaron RIGIWALL® 4333 delivers everything you need to beautify and protect high traffic interiors.

| General Information | | | |
|-----------------------------|--------------------------|-------------------|-------------|
| Features | Durable | | |
| | Good Abrasion Resistance | | |
| | Good Chemical Resistance | | |
| | High Impact Resistance | | |
| | Stain Resistant | | |
| Uses | Protective Coverings | | |
| | Wall Panels | | |
| Agency Ratings | UL 723 | | |
| Appearance | Colors Available | | |
| Forms | Sheet | | |
| Processing Method | Calendering | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.37 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 106 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 35.9 | MPa | ASTM D638 |
| Flexural Modulus | 2000 | MPa | ASTM D790 |
| Flexural Strength (Yield) | 57.2 | MPa | ASTM D790 |

| Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel) | 73.0 | mg | ASTM D1044 |
|--|---------------|----------|-------------|
| Films | Nominal Value | Unit | Test Method |
| Water Vapor Transmission | | | ASTM E96 |
| PRO B | 0.0800 | US perms | |
| PRO BW | 0.130 | US perms | |
| Heat Aging - Color Change L*a*b | | | |
| 70°C ¹ | 0.600 | | |
| 70°C ² | 0.400 | | |
| Flame Spread | | | ASTM E84 |
| < 635.0 µm | 10.0 | | |
| < 736.6 µm | 15.0 | | |
| < 1.09 mm | 15.0 | | |
| < 1.63 mm | 15.0 | | |
| Smoke Developed | | | ASTM E84 |
| < 635.0 µm | 30.0 | | |
| < 736.6 µm | 15.0 | | |
| < 1.09 mm | 60.0 | | |
| < 1.63 mm | 200 | | |
| Dimensional Stability | | | |
| 230°C, 152.40 cm | 13 | % | |
| 24 hr : 70°C | 1.0 | % | |
| 7 days : 70°C | 1.0 | % | |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 800 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 73.9 | °C | ASTM D648 |
| CLTE - Flow | 9.0E-5 | cm/cm/°C | ASTM D696 |
| NOTE | | | |
| 1. | 7 days | | |
| 2. | 24 hrs | | |

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