

Rigiwall® 4333W

HIGH IMPACT SHEET

BUILDING
& RETAIL

CHARACTERISTICS

- Impact resistance
- Damage resistant
- Low minimums
- Thermoformable

USES

- Interior components, instrument housings
- Passenger service units (PSUs)
- Light housings, galley components
- Air ducting, tray tables, food tables

PERFORMANCE DETAILS

PROPERTIES

Specific Gravity (ASTM D792)	1.37	
Tensile Strength (ASTM D638)	5,200 psi	36 MPa
Flexural Strength (ASTM D790)	8,300 psi	57 MPa
Flexural Modulus (ASTM D790)	290,000 psi	2,000 MPa
Hardness Rockwell (ASTM D785)	106	
Izod Impact Notched (ASTM D256)	73 °F 10-15 ft-lb/in	23 °C 534-801 J/m
Heat Deflection Annealed (ASTM D648)	165 °F @264 psi	73.9 °C @1.82 MPa
Taber Abrasion Wt Loss CS17 Wheel (ASTM D3389-15) 1 kg, 1000 cycles	0.073 mg/rev	
Thermal Expansion (ASTM D696)	5.0 x 10 ⁻⁵ °F	9.0 x 10 ⁻⁵ °C
Dimensional Stability 5' x 320°F	13%	
Dimensional Stability 24 hrs @ 158°F	1%	
Dimensional Stability 7 days @ 158°F	1%	
PRO BW (ASTM E96)	0.13 US perms	
PRO B (ASTM E96)	0.08 US perms	
Color change in L*a*b* units 24 hrs @ 158°F	0.04	
Color change in L*a*b* units 7 days @ 158°F	0.06	

*Independent lab tests at 73°F (22.8°C) in dry conditions unless otherwise noted.

SHEET SIZES

Lengths	to 120 in	3,048 mm
Widths	to 60 in	1,524 mm
Gauges	from 0.018	0.475 mm continuous rolls available
Thickness	0.040 in	1.106 mm
Custom	Blank sizes, gauges on request	

FLAMMABILITY

	Flame Spread	Smoke Developed
@0.025 in max. (ASTM E84)	10	30
@0.029 in max. (ASTM E84)	15	15
@0.043 in max. (ASTM E84)	15	60
@0.064 in max. (ASTM E84)	15	200
Class 1-A requirements (ASTM E84)	<25	<450

4333W HIGH IMPACT

DESIGN OPTIONS

- Colors** Unlimited
- Textures** Wide range available
- Minimum** 500 lb

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RELIABILITY MEETS INNOVATION

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