

TECHNICAL DATA SHEET

Materials Specifications for materials used in Wallprotex™ Wall Protection Products

Aluminum Extrusions

Alloy: 6063-T5

PROPERTIES	VALUE
Tensile Strength psi	29,000
Yield Strength psi	25,000
Elongation (% on 2")	12
Brinell Hardness	73

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Injection Molded Parts

Material: Acrylonitrile Butadiene Styrene (Polylac®PA-709)

PROPERTIES	TEST METHOD	VALUE
Specific Gravity	ASTM D-792	1.03
Flammability Classification	UL 94	HB
RTI Str	UL 746	140° F
RTI Imp	UL 746	140° F
RTI Elec	UL 746	140° F
Tensile Strength psi	ASTM D-638	5670
Flexural Strength psi	ASTM D-790	9070
Flexural Modulus psi	ASTM D-790	32,000
Notched Izod Impact Strength ft-lbs/in	ASTM D-256	8.4
Hardness, Rockwell R	ASTM D-785	102
Heat Deflection Temperature at 264 psi	ASTM D-648	190° F

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Rigid Vinyl Extrusions

Material: Rimtec 4314A (or equivalent)

PROPERTIES	TEST METHOD	VALUE
Specific Gravity	ASTM D-792	1.43
Flammability Classification	UL 94 / ASTM D-635	V-0
Tensile Yield Strength, 10 ³ psi	ASTM D-638	6.0
Tensile Modulus, 10 ⁵ psi	ASTM D-638	3.7
Flexural Yield Strength 10 ³ psi	ASTM D-790	11.4
Flexural Modulus 10 ⁵ psi	ASTM D-790	4.5
Notched Izod Impact Strength ft-lbs/in	ASTM D-256	19
Hardness, Shore D	ASTM D-2240	80
DTUL at 264 psi (18.5 kg/cm), °C		
Unannealed	ASTM D-648	70
Annealed	ASTM D-648	75
ASTM Cell Classification	ASTM D-1748	16344

Fungal and Bacterial Resistance: Does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22

Chemical and Stain Resistance: Shows resistance to stain as tested in accordance with applicable provisions of ASTM D-543

All Wallprotex™ vinyl extrusions contain a minimum of 50% recycled content.

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