

Certification of Conformance

KP Adirondack Vinyl Siding

This certifies that Adirondack Vinyl Siding complies with the specifications of ASTM D3679*.

Thickness: .046" (± .002" on average as determined by ASTM D3679).

Adirondack Vinyl Siding is manufactured from PVC compound conforming to the requirements of ASTM D1755 – classification cell class GP4-16040.

- Adirondack Vinyl Siding compound meets or exceed the following requirements:

Tensile Strength (ASTM D638): 7000 psi

Modulus of Elasticity ASTM D638): 400,000 psi

Izod Impact @70⁰ F (ASTM D 256): 4.20 lb./in. notch

Izod Impact @32⁰ F (ASTM D 256): 2.40 lb./in. notch

Deflection Temperature with 264 psi load (ASTM D648): 175⁰ F (79.4⁰ C)

- Adirondack Vinyl Siding meets or exceeds the following requirements:

- **Fire Resistance Properties:**

Average Time of Burning (ASTM D635) : <5 sec

Average Extent of Burning (ASTM D635) : <5 mm

Flame Spread Index (ASTM E84): 20

Smoke Developed Index (ASTM E84): 250

Fuel Contribution (ASTM E84): 0

Smoke Density (ASTM D2843) : <50%

Ignition Properties (ASTM D1929): Self ignition did not occur. At 824⁰ F sample began to smolder and continued until consumed.

- **Typical Physical Properties:**

Warp (ASTM D3679) : <0.125 in

Heat Shrinkage (ASTM D3679) : <1.9%

Impact Resistance (ASTM D4226): 2.36 in/mil (Procedure A, H.25)

Weatherability (ASTM D3679): No surface or structural defects such as peeling, cracking, chipping.

Coefficient of Linear Expansion (ASTM D3679): 3.00×10^{-5} in/in ⁰F / 5.10×10^{-5} cm/cm ⁰C

Gloss (ASTM D3679): plus or minus 5 units

Surface Distortion (ASTM D3679): No distortion at 120⁰F

*- All tests are done on siding without foam. Standard for foam backed siding is in preparation.



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