

Test Data

Property	ASTM Test Method	Results	Units
Peel Resistance of Adhesives	ASTM D1876-2015	8.04	lbf/in.
Ice Dam Protection -29°C	ASTM D1970-21	Pass	N/A
Tensile-Tear Strength	ASTM D4073	MD39.6/CD38.8	lbf
Tensile Strength	ASTM D412-21	1,020	psi
Water Absorption of Plastics	ASTM D570-22	0.74	%
Tensile Properties – Plastic Sheet	ASTM D882-18	MD695/CD762	psi
Peel Strength of Adhesive Bonds	ASTM D903-17	3.5	lbf/in.
Water Vapor Retarders	ASTM E154	86.3	lbf
Air Permeance @75Pa	ASTM D2178-21a	0.000006	L/Pa·m²·s
Surface Buring Characteristics	ASTM E84-23b	Pass	Class A
Water Vapor Transmission	ASTM E96 - Desiccant	-0.036	g/(24hr·m²)
Water Vapor Permeance	ASTM E96 - Desiccant	0.01	perms
Water Vapor Transmission	ASTM E96 - Water	-0.0936	g/(24hr·m²)
Water Vapor Permeance	ASTM E96 - Water	0.005	perms
Minimum Application Temperature		-5 °C	
Service Temperature		-32 °C to 82 °C	

Test Standard Details

ASTM D1876-2015(e1) – Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)

ASTM D1970-21 – Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection

ASTM D4073 – Standard Test Method for Tensile-Tear Strength of Bituminous Roofing Membrane

ASTM D412-21 – Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension (Method A)

ASTM D570-22 - Standard Test Method for Water Absorption of Plastics

ASTM D882-18 – Standard Test Method for Tensile Properties of Thin Plastic Sheeting

ASTM D903-17 - Standard Test Method for Peel or Stripping Strength of Adhesive Bonds

ASTM E154 - Standard Test Method for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

ASTM E2178-21a – Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials

ASTM E2357 – Standard Test Method for Determining Air Leakage of Air Barrier Assemblies

ASTM E84-23b – Standard Test Method for Surface Burning Characteristics of Building Assemblies

ASTM E96-22 – Standard Test Methods for Water Vapor Transmission of Materials