



Water Tight Technologies, LLC
2500 Dewitt Street
Elkhart, IN 56417
www.watertighttech.com

RUBBERALL® MEMBRANE SPECIFICATIONS - DATA SHEET

Description: RUBBERALL® EPDM membrane is a non-reinforced, cured, single-ply roofing membrane that is fire retardant and intended to be fully adhered in slow slope roofing applications.

Product complies with the physical requirements of ASTM D4637 – Standard Specification for EPDM Sheet used in Single-Ply Roof Membrane.

Physical Properties (As Received)	Test Method	Ave. Results	St. Dev.	Requirement
Overall Thickness	ASTM D412/ ASTM D4637	.045 for Landscape & Roofing; .060 for Roofing	+ 0.01	Plus or minus 10%
Tensile Strength, (psi)	ASTM D412	MD = 1643; CMD = 1488	MD = 61; CMD = 83	MD & CMD ≥ 1305
Elongation; Ultimate %	ASTM D412	MD = 545; CMD = 538	MD = 23; CMD = 22	MD & CMD ≥ 300
Dynamic Puncture Resistance, (Pass/Fail)	ASTM D5635	Pass	N/A	Pass
Static Puncture Resistance, (Pass / Fail)	ASTM D5602	Pass	N/A	Pass
Tear Resistance, (lbf/in)	ASTM D624	MD = 222; CMD = 190	MD = 25; CMD = 17	≥ 150
Brittleness Point (F°)	ASTM D2137; Method B	-49	0.0	≤ -49
Ozone Resistance; (Pass/Fail)	ASTM D1149; Method B	Pass	N/A	Pass
Water Absorption (mass %)	ASTM D471	0.14	.02	≤ 8; ≥ -2
Tensile Set (%)	ASTM 412	0.00	0.00	≤ 10

Physical Properties (After Heat Aging -ASTM D573)	Test Method	Ave. Results	St. Dev.	Requirement
Tensile Strength, (psi)	ASTM D412	MD = 1430; CMD = 1301	MD = 156; CMD = 79	≥ 1205
Elongation Ultimate (%)	ASTM D412	MD = 545; CMD = 540	MD = 7; CMD = 6	≥ 200
Linear Dimensional Chg %	ASTM D1204	MD = 0; CMD = -0.7	MD = 0; CMD = 0.06	Plus or minus 1
Tear Resistance, (lbf/in.)	ASTM D624	MD = 206; CMD = 146	MD = 7; CMD = 11	≥ 125

Physical Properties (After Accelerated Weathering – ASTM G155 & D4637)	Test Method	Ave. Results	St. Dev.	Requirement
Weather Resistance (Pass/Fail)	ASTM D4637	Pass	N/A	Pass (no cracks or crazing is observed)
PRFSE, (%)	ASTM D412	MD = 104; CMD = 109	MD = 6; CMD = 7	MD & CMD ≥ 30
Elongation, Ultimate (%)	ASTM D412	MD = 547; CMD = 552	MD = 6; CMD = 4	MD & CMD ≥ 200



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Misc. Product Data:

Membrane mil thickness	045 mil (.045 in.)	060 mil (.060 in.)
Weight	.33 lb./Sq. Ft.	.42 lb./Sq. Ft.
Color	Black	Black (White is available for special order)
Sizes	10'x25'; 10'x50'; 10'x100'; 10'x200'; 20'x25'; 20'x50'; 20'x100'; (other sizes available for special order)	10'x25'; 10'x50'; 10'x100'; 10'x200'; 20'x25'; 20'x50'; 20'x100'; (other sizes available for special order)

Take care when moving, handling, etc. to avoid sources of punctures and physical damage. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the Rubberall® membrane. Refer to Safety Data Sheets (SDS) for safety information.

Use proper stacking techniques. Exercise caution when walking on wet membrane, as slippery when wet.

Roofing Application Instructions:

1. Substrate must be clean, dry, smooth and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 1/4" wide shall be properly filled with an acceptable fill material.
2. Install Rubberall® EPDM membrane with Rubberall® water or solvent based adhesive in accordance with the current Rubberall® installation specifications and workmanship requirements at <http://www.watertighttech.com/products/roofing/installation/manual/>

Recommended Storage: Store away from sources of punctures and physical damage. Assure that structural decking will support the loads incurred by material when stored on rooftops. The deck load limitations should be specified by the project designer. Store away from ignition sources as membrane will burn when exposed to open flame. Refer to SDS for safety information

NOTE: TECHNICAL INFORMATION AND DATA SHOULD BE CONSIDERED REPRESENTATIVE OR TYPICAL ONLY AND SHOULD NOT BE USED FOR SPECIFICATION PURPOSES.

User's Responsibility

This Product Data Sheet cannot cover all possible situations which the user may experience during product application/processing. Each aspect of your operations should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers, along with the applicable MSDS sheet. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

Disclaimer of Liability

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.