

Standard Specifications ASTM C 534 / ASTM C 1427

ASTM C 534 (Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form)

ASTM C 534 (Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form) is the most widely specified standard for flexible closed cell insulation material. The standard was developed specifically for elastomeric based closed cell foam materials. The standard details test methods and requirements for the properties that affect insulation performance. **NOMACO Insulation** elastomeric-based insulation products exceed the requirements specified in **ASTM C 534**.

ASTM C 1427 (Standard Specification for Preformed Flexible Polyolefin Cellular Thermal Insulation in Sheet and Tubular Form)

ASTM C 1427 (Standard Specification for Preformed Flexible Polyolefin Cellular Thermal Insulation in Sheet and Tubular Form) is the most widely specified standard for flexible closed cell polyolefin/polyethylene insulation material. The standard was developed specifically for polyolefin based closed cell foam materials. The standard details test methods and requirements for the properties that affect insulation performance. **NOMACO Insulation** based insulation products exceed the requirements specified in **ASTM C 1427**.

The critical material properties included in **ASTM C 534** and **ASTM C1427** are thermal conductivity (k factor), water vapor transmission (wvt), water absorption, flexibility, and dimensional stability. The standard provides a minimum base line of requirements and a basic set of test methods for comparing these common properties. For a more detailed description of these and other physical properties associated with **NOMACO Insulation** products, refer to *Technical Bulletin, "General Description of Key Physical Properties – TS2"*.

About ASTM

ASTM, the American Society of Testing Materials, is a non-profit organization, comprised of users, general interest groups, and manufacturers, established for the purpose of setting minimum requirements for products. Standards are developed on a consensus basis, which means that all parties are given equal status in the standard development process. All standards are reviewed every five years. ASTM C 16 (Thermal Insulation Committee) is the main committee assigned to insulation products. ASTM C 16.22 is the subcommittee assigned to “organic” and “nonhomogenous” insulation products. **NOMACO Insulation** products are included in this category.