

These non-woven products are made from polyester fiber bonded with flame retarded adhesive that contains an antimicrobial to effectively control the growth of mold, mildew, algae, and fungi on the bonded product. The products are very permeable to air, water or water vapor due to the low fiber density of the non-woven structure. The void volume of these products is approximately 99% with only 1% solidity. They also have excellent flame retardant properties, and the vertically held test sample will self extinguish after the flame source is removed.

#### TEST RESULTS

PROPERTY	201531
WEIGHT (oz./sq.yd)	17.1
THICKNESS (inches)	0.96
COLOR	Green
DENSITY (lb./cu.ft.)	1.48

#### FLAMMABILITY

Fed. Std. 191A	Vertical method 5903, average results reported.
Flame time (sec.)	5
After glow (sec.)	4
Charred length (in.)	1.5

#### MICROBIAL GROWTH

Filtration products containing the same % antimicrobial additive pass the ASTM fungal resistancy test standards D-2020 and C-665. C-665 is a standard specification for mineral fiber blanket thermal insulation for light frame construction and manufactured housing. This test is used to determine the ability of insulation to support fungi growth under conditions favorable for their development, namely high humidity and warm atmosphere.

1. **Test method #66:** Average weight of two 18" x 18" specimens expressed in oz./sq.yd. Two specimens are cut from the width of the web, both from approximately 8" in from edge.
2. **Test method BN 14-2:** Average thickness as manufactured prior to compression in roll. Three 4" x 4" specimens, one cut from approximately 4" in from each edge and one from the approximate center of the web. The specimen is placed on a flat surface, and a flat metal plate 4" x 4" that weighs 10 oz. is placed over the specimen. The thickness is measured from each side and averaged. The average of the three specimens is reported as the thickness.
3. **Test method FMVSS 302** (Federal Motor Vehicle Safety Standard): The requirement is that a horizontally placed specimen when ignited will not burn faster than 4" per min.