

# Technical DataSheet



**Product name :** Igloo Cellulose

**Technical name :** Cellulose Insulation from recycled cellulosic fiber

**Type :** Loose Fill

**Application :** For installation in attics or enclosed spaces in housing and other buildings

**Color :** Light brown

**Design density :** 1.59 lbs/ft<sup>3</sup>

**Production Plant :** Agawam, MA

**Packaging :** 25 lbs/bag

## Chemical composition

- Newsprint and cardboard fiber
- Boric Acid
- Additives for dust control

## Product registration

- R&D Services for laboratory tests - Report n°RD25704
- Meets Standards ASTM C-739, 16CFR Section 1209
- Class 1 / Class A Building Material

## Installation

- Igloo Cellulose insulation high efficiency relies on air between the fibers, obtained when the cellulose expands during installation.
- Wear a respiratory mask at all times during blowing.
- Potential fire Hazard : Keep cellulose insulation at least three inches away from the sides of recessed light fixtures. Do not place insulation over such fixtures so as to entrap heat. Also keep this insulation away from exhaust flues of furnaces, water heaters, space heaters, or other heat-producing devices. Do not apply on built-in-surface mounted light fixtures without proper and approved IC protection.
- For soundproofing, contact an acoustical engineer.
- For wall installation, apply enough product to achieve at least 3,5 lbs/ft<sup>3</sup> density.

## Tecnical Data

### Thermal Resistivity :

- ASTM C518-10
- R = 3.64 per inch

### Surface Combustion Specifications :

- ASTM C739-24 and ASTM E970-14
- Greater than 0.12 W/cm<sup>2</sup>

### Smoldering combustion :

- ASTM C739-24, section 14
- Less than 15%

### Moisture Vapor Sorption :

- ASTM C739-24, section 12
- Less than 15%

### Corrosiveness :

- ASTM C739-2, section 9
- No perforations on aluminium, copper and steel coupon

### Fungi Resistance :

- ASTM C739-24, section 11 and ASTM C1338-14
- No fungal growth

### Odor Emission :

- ASTM C739-24, section 13
- No odor



## Installation Chart

### Net Coverage - Attics Minimum Net Weight : 25 lbs

R-Value at 75°F 3.72/in (at 4 in.)	Initial installed Thickness (in.)	Minimum Settled Thickness (in.)	Bags per 1000 sq.ft No joist	Net Coverage sq.ft/Bag	Minimum Weight lb/sq.ft.
13	3.88	3.49	18.4	54.3	0.46
19	5.67	5.11	26.9	37.2	0.67
22	6.56	5.91	31.1	32.1	0.78
30	8.95	8.06	42.5	23.5	1.06
38	11.34	10.22	53.8	18.6	1.34
49	14.62	13.17	69.4	14.4	1.73
60	17.90	16.13	84.9	11.8	2.12

This product meets ASTM C739; CPSC 16CFR 1209. Class 1 / Class A Building Material.  
The installed thickness data were generated with a Krendl model 500 using air setting 6.5 and gate setting 5.

### Net Coverage - Sidewalls Minimum Net Weight : 25 lbs

R-Value at 75°F	Initial installed Thickness (in.)	Minimum Settled Thickness (in.)	Bags per 1000 sq.ft No joist	Net Coverage sq.ft/Bag
13	2 x 4	3.5	40.8	24.5
20	2 x 6	5.5	64.2	15.6



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