

Cellulose Insulation and Code Summary

Physical Properties	16 CFR Part 1209 (1)	16 CFR Part 460 (2)	ASTM C739 (3)	ASTM E84 (4)	HH-I-515E (5)	Comments
Critical Radiant Flux	Yes		Yes	Yes	Yes	Also know as Flame Spread Maximum value of 25
Smolder	Yes		Yes		Yes	
Smoke Developed				Yes		Maximum value of 450
Thermal Resistance (R-Value)		Yes	Yes		Yes	
Settled Density	Yes	Yes	Yes		Yes	
Corrosiveness	Yes		Yes		Yes	
Fungi Resistance			Yes		Yes	
Odor			Yes		Yes	
Moisture Sorption			Yes		Yes	

(1) Consumer Product Safety Commission (CPSC) Safety Standards

(2) Federal Trade Commission Labeling (FTC R-Value Rule)

a. In 1990, the FTC endorsed the ASTM testing methodology while maintaining product representations.

(3) Cellulose Industry adopted American Society for Testing and Materials (ASTM) Specification

(4) Requirement under International Residential Code (IRC) and International Building Code (IBC)

(5) General Services Administration (GSA) now refers to ASTM C739.