

Here is a table that lists some R-values DOE assigns to a variety of insulation materials

Insulation Type	R-value per Inch of Thickness
Fiberglass blanket or batt	3.2
High performance fiberglass batt	3.8
Loose-fill fiberglass	2.5
Loose-fill rock wool	2.8
Loose-fill cellulose	3.5
Dense-pack cellulose	4.0*
Expanded polystyrene board	3.8
Extruded polystyrene board	4.8
Polyisocyanurate board, unfaced	5.8
Polyisocyanurate board, foil-faced	7
Spray polyurethane foam	5.9

*** Dense-pack cellulose R-value provided by US Housing and Urban Development (HUD) ToolBase Services**

Insulation Type

Flame Spread

Smoke Developed

Cellulose insulation

15-20

0-5

Fiberglass

0-5

<50

Open Cell Foam

25

<450