



**TWDW-100 TARIFF**

**ITEM 750 - DETERMINATION OF FREIGHT CLASSES**

In accordance with both bill of lading requirements as well as standard industry practices; shipment weights, item descriptions and freight classifications are to be correct and must accurately reflect the shipment's handling characteristics to include space taken and density. 2 Day maintains the right to inspect all freight to whom it is tendered and to use other means to ensure that billing is based on accurate freight characteristics.

When a change to the listed class is necessary due to shipment inspection or other sufficient evidence, 2 Day will use the actual density or Pounds per Cubic Foot (PCF) in conjunction with the below chart for rating purposes.

- The Density or PCF will be determined by:
  - Multiplying the dimensions (in inches) of the item inclusive of any pallets and packaging (Length x Width x Height) to get the total cubic inches.
  - Dividing the total cubic inches by 1,728 to get the total cubic feet of the item.
  - Dividing the weight of the item by the total cubic feet in order to get the PCF.
- The calculated PCF will be reviewed against the table below in order to determine the proper class to be used for rating purposes.

**Example**

If the skid weighs 500# with dimensions of 42" x 48" x 48".

1. Multiply 42 x 48 x 48 = 96,768 total cubic inches.
2. Divide 96,768 by 1,728 = 56 total cubic feet.
3. Divide 500# by 56 total cubic feet = 8.9 PCF.
4. The item is a Class 100.

| <u>PCF</u>  | <u>CLASS</u> |
|-------------|--------------|
| <= 1.0      | 400          |
| 1.1 - 2.0   | 300          |
| 2.1 - 4.0   | 250          |
| 4.1 - 6.0   | 150          |
| 6.1 - 8.0   | 125          |
| 8.1 - 10.0  | 100          |
| 10.1 - 12.0 | 92.5         |
| 12.1 - 15.0 | 85           |
| 15.1 - 22.5 | 70           |
| 22.6 - 30.0 | 65           |
| > 30.0      | 60           |