

# Freight Density Table

Class 50–400

Current 13-tier density-based LTL class reference

| Density, lb/cu ft        | Estimated Class | Possible Packaged Examples                                  |
|--------------------------|-----------------|-------------------------------------------------------------|
| Less than 1              | <b>400</b>      | Pillows, comforters, packing materials                      |
| 1 to less than 2         | <b>300</b>      | Lightweight tables, chairs, model boats                     |
| 2 to less than 4         | <b>250</b>      | Lightweight furniture, televisions, bulky household goods   |
| 4 to less than 6         | <b>175</b>      | Clothing, stuffed furniture, metal cabinets                 |
| 6 to less than 8         | <b>125</b>      | Small appliances, exhibit displays, vending equipment       |
| <b>8 to less than 10</b> | <b>100</b>      | <b>Vacuum equipment, wine cases, packaged furnishings</b>   |
| 10 to less than 12       | <b>92.5</b>     | Plastic storage products, tires, packaged electronics       |
| 12 to less than 15       | <b>85</b>       | Transmissions, doors, packaged engine parts                 |
| 15 to less than 22.5     | <b>70</b>       | Forklift batteries, crated engines, compact machinery       |
| 22.5 to less than 30     | <b>65</b>       | Tile, cooking oil, electrical cable                         |
| 30 to less than 35       | <b>60</b>       | Steel cable, bottled beverages, compact automotive parts    |
| 35 to less than 50       | <b>55</b>       | Hardwood flooring, cement products, dense printed materials |
| 50 or greater            | <b>50</b>       | Dense metal parts, steel fasteners, industrial hardware     |



Density-based estimate only. Actual freight class can vary by finished packaging, handling, stowability, liability, and applicable NMFC provisions.



**FREIGHTCLASSCALCULATOR**.tools