

# Conversion chart: Weight of Casting from weight of pattern

A Pattern weighing 1#, made of:

Will weigh when cast in...

	Cast Iron	Bronze	Aluminum
Birch.....	10.6	12.3	3.9
Oak.....	9.4	10.8	3.4
Pine.....	14.4	16.6	5.3
Cardboard.....	35.0	39.0	13.0
Pressboard.....	7.5	8.0	2.5
Plasticene.....	5.0	5.5	1.8
Sand.....	5.0	5.3	1.6
Cedar.....	12.5	14.7	4.5
Mahogany.....	8.5	10.0	3.1
Lead.....	.64	.74	.23
Zinc.....	1.0	1.17	.36
Wax.....	10.0	11.5	3.5
Styrofoam (EPS).....	176.0		

## Shrinkage of castings per linear foot

Aluminum.....	3/16"
Iron.....	1/8"
Bronze.....	5/32"
Tin.....	1/2"
Zinc.....	5/16"
Lead.....	5/16"

## Density of metal per cubic inch

Aluminum.....	0.085#
Bronze.....	0.25#