USEFUL CONVERSION TABLES

VISCOSITY COMPARISON

Appox. Viscosity	Material
1	Water
10	Kerosene
100	Corn Oil
200	Maple Syrup
500	Castor Oil
1,000	Glycerin
3,000	Honey
10,000	Molasses
50,000	Ketchup
250,000	Peanut Butter
1,000,000	Shortening

COMPARATIVE PARTICLE SIZE

Mesh	Microns	MM	Inches
4	4760	4.76	0.185
8	2380	2.38	0.093
16	1190	1.19	0.046
20	840	0.84	0.033
40	420	0.42	0.017
50	297	0.29	0.012
80	177	0.17	0.007
100	149	0.14	0.006
140	105	0.10	0.004
200	74	0.07	0.003
270	53	0.05	0.002
325	44	0.04	0.0017
400	37	0.03	0.0015

TYPICAL COVERAGE FOR PUTTIES - ADHESIVES - COATINGS

Coverage (Ft^2/Qt.)	Film Thickness (inches)
300	0.001
150	0.002
100	0.003
60	0.005
45	0.007
30	0.010

BEAD LENGTH CHART

Half Round Bead Dispensed From a 11 oz. Caulking Cartridge

1/4" . . . . 80 ft.	1/2" . . . 21 ft.
3/8" . . . . 37 ft.	5/8" . . . 13 ft.

HARDNESS DUROMETER

Material	Shore A	Shore D
Gum Eraser	30	
Pink Eraser	40	
Rubber Stamp	50	15
Pencil Eraser	60	
Rubber Heel	70	30
Rubber Sole	80	
Typewriter Roller	90	
PVC	100	55
Fir Plywood		78
Hardwood		86
Glass		90

Conversion Factors

Area

in^2 x 6.45 = cm^2

ft^2 x 0.093 = m^2

Density

lb / ft^3 x 16.02 = kg/m^3

lb / in^3 x 0.016 = g/cm^3

Heat Loss

Btu / hr ft^2 x 3.155 = W/m^2

Btu / hr ft^2 x 0.271 = g cal/hr cm^2

Length

in x 2.54 = cm

in x 25.4 = mm

ft x 0.3048 = m

Thermal Conductivity

Btu in / hr ft^2 F x 0.144 = W/m ºC

W / mºC x 6.93 = Btu in/hr ft^2 ºF

Dielectric Strength

Volts/mil x 0.039 = Kv/ mm

Volume

in^3 x 16.39 = cm^3

in^3 x 0.0283 = m^3

Temperature

ºC = (5/9) (ºF - 32)

ºF = (9/5) (ºC) + 32

Weight

lbs x 454 = gm

lbs x 0.454 = kg