DENSITY OF VARIOUS SOLIDS

This table gives the range of density for miscellaneous solid materials whose characteristics depend on the source or method of preparation.

REFERENCES

- 1. Forsythe, W. E., Smithsonian Physical Tables, Ninth Edition, Smithsonian Institution, Washington, 1956.
- 2. Kaye, G. W. C., and Laby, T. H., Tables of Physical and Chemical Constants, 16th Edition, Longman, London, 1995.
- 3. Brandrup, J., and Immergut, E. H., Polymer Handbook, Third Edition, John Wiley & Sons, New York, 1989.

Material	ρ/ g cm ⁻³	Material	ρ/ g cm -3	Material	ρ / g cm ⁻³
Agate	2.5-2.7	Pyrex	2.23	Soapstone	2.6-2.8
Alabaster,		Granite	2.64-2.76	Solder	8.7-9.4
carbonate	2.69-2.78	Graphite	2.30-2.72	Starch	1.53
sulfate	2.26-2.32	Gum arabic	1.3-1.4	Steel, stainless	7.8
Albite	2.62-2.65	Gypsum	2.31-2.33	Sugar	1.59
Amber	1.06-1.11	Hematite	4.9-5.3	Talc	2.7-2.8
Amphiboles	2.9-3.2	Hornblende	3.0	Tallow, beef	0.94
Anorthite	2.74-2.76	Ice	0.917	Tar	1.02
Asbestos	2.0-2.8	Iron, cast	7.0-7.4	Topaz	3.5-3.6
Asbestos slate	1.8	Ivory	1.83-1.92	Tourmaline	3.0-3.2
Asphalt	1.1-1.5	Kaolin	2.6	Tungsten carbide	14.0-15.0
Basalt	2.4-3.1	Leather, dry	0.86	Wax, sealing	1.8
Beeswax	0.96-0.97	Lime, slaked	1.3-1.4	Wood (seasoned)	
Beryl	2.69-2.70	Limestone	2.68-2.76	alder	0.42-0.68
Biotite	2.7-3.1	Linoleum	1.18	apple	0.66-0.84
Bone	1.7-2.0	Magnetite	4.9-5.2	ash	0.65-0.85
Brasses	8.44-8.75	Malachite	3.7-4.1	balsa	0.11-0.14
Brick	1.4-2.2	Marble	2.6-2.84	bamboo	0.31-0.40
Bronzes	8.74-8.89	Meerschaum	0.99-1.28	basswood	0.32-0.59
Butter	0.86-0.87	Mica	2.6-3.2	beech	0.70-0.90
Calamine	4.1-4.5	Muscovite	2.76-3.00	birch	0.51-0.77
Calcspar	2.6-2.8	Ochre	3.5	blue gum	1.00
Camphor	0.99	Opal	2.2	box	0.95-1.16
Cardboard	0.69	Paper	0.7-1.15	butternut	0.38
Celluloid	1.4	Paraffin	0.87-0.91	cedar	0.49-0.57
Cement, set	2.7-3.0	Peat blocks	0.84	cherry	0.70-0.90
Chalk	1.9-2.8	Pitch	1.07	dogwood	0.76
Charcoal,		Polyamides	1.15-1.25	ebony	1.11-1.33
oak	0.57	Polyethylene	0.92-0.97	elm	0.54-0.60
pine	0.28-0.44	Poly(methyl methacrylate)	1.19	hickory	0.60-0.93
Cinnabar	8.12	Polypropylene	0.91-0.94	holly	0.76
Clay	1.8-2.6	Polystyrene	1.06-1.12	juniper	0.56
Coal,		Polytetrafluoroethylene	2.28-2.30	larch	0.50-0.56
anthracite	1.4-1.8	Poly(vinyl acetate)	1.19	locust	0.67-0.71
bituminous	1.2-1.5	Poly(vinyl chloride)	1.39-1.42	logwood	0.91
Coke	1.0-1.7	Porcelain	2.3-2.5	mahogany	0.66-0.85
Copal	1.04-1.14	Porphyry	2.6-2.9	maple	0.62-0.75
Cork	0.22-0.26	Pyrite	4.95-5.10	oak	0.60-0.90
Corundum	3.9-4.0	Quartz	2.65	pear	0.61-0.73
Diamond	3.51	Resin	1.07	pine, pitch	0.83-0.85
Dolomite	2.84	Rock salt	2.18	white	0.35-0.50
Ebonite	1.15	Rubber,		yellow	0.37-0.60
Emery	4.0	hard	1.19	plum	0.66-0.78
Epidote	3.25-3.50	soft	1.1	poplar	0.35-0.50
Feldspar	2.55-2.75	pure gum	0.91-0.93	satinwood	0.95
Flint	2.63	Neoprene	1.23-1.25	spruce	0.48-0.70
Fluorite	3.18	Sandstone	2.14-2.36	sycamore	0.40-0.60
Galena	7.3-7.6	Serpentine	2.50-2.65	teak, Indian	0.66-0.98
Garnet	3.15-4.3	Silica, fused,	2.21	walnut	0.64-0.70
Gelatin	1.27	Silicon carbide	3.16	watter gum	1.00
Glass,		Slag	2.0-3.9	willow	0.40-0.60
common	2.4-2.8	Slate	2.6-3.3	Wood's metal	9.70
lead	3-4			., ood 5 metai	2.70
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