

Mohs Hardness Minerals

Mineral	Formula	Cleav	H	Color	D	Lust/Str	Habit	Uses
talc	$\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$	1D, perf	1	white, greenish, gray	2.6	pearly white	scaley, massive, foliated aggregates	coating and filler in paper, paint, rubber, plastic; cosmetics, ceramics
gypsum	$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$	1D perf 2D good	2	colorless, white, gray, pink	2.3	vitreous to silky white	clear crystals, massive, fibrous	plaster, plasterboard, soil ammendments
calcite	CaCO_3	3D perf 60 & 120°	3	colorless, white, yellow, brown, orange, etc.	2.7	vitreous to waxy white	>200 xl forms, massive, radiating xls	pharmaceuticals, optical devices, main component in limestone->portland cement
fluorite	CaF_2	4D perf	4	colorless, white, purple, yellow, blue, green, pink, etc.	3.0	vitreous white	cubic crystals, massive	metalurgical flux, chemicals, glazes
apatite	$\text{Ca}_5(\text{PO}_4)_3(\text{F}, \text{Cl}, \text{OH})$	1D poor	5	colorless, yellow, green, brown, purple	3.2	vitreous to resinous white	hexagonal xls, massive, colliform	phosphate fertilizer, chemicals, gemstone
microcline	KAlSi_3O_8	2D good	6	pink, white, grey, blue, green	2.5	vitreous white	blocky xls	porcelain, glazes, glass, abasive
quartz	SiO_2	conchoidal fracture	7	colorless, white, pink, purple, black, etc.	2.6	vitreous no streak	hexagonal crystals, massive	glass (from sandstone), electronic devices, abrasive
beryl	$\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$		8	green, blue, yellow, white, rose	2.6	vitreous no streak	hexagonal xls, massive	source of Be, gemstone
corundum	Al_2O_3	nearly rectangular parting	9	gray, brown, red=ruby blue=saphire	4.0	adamantine no streak	barrel shaped xls, granular masses	abrasive, gemstone
diamond	C		10	black, colorless, pale blue, green, yellow, pink	3.5	adamantine no streak	octahedral xls, massive	abrasive, gemstone