

Properties of MOHS scale Minerals.

Talc:

Color	White, beige, gray, yellow, brown, pink, purple, blue, green. Rarely colorless.
Streak	White
Luster	Greasy, waxy, pearly
Crystal form	Most often as large distorted masses and foliated sheets and plates. Also micaceous, botryoidal, and in fibrous masses
Cleavage	perfect
Fracture	Uneven
Hardness	1
Sp. Gravity	2.7 - 2.8
Transparency	Transparent to opaque

Gypsum:

Color	Colorless, white, gray, brown, beige, orange, pink, yellow, light red, green
Streak	White
Luster	Vitreous to pearly
Crystal form	Commonly occurs as tabular crystals, sometime perfect with no imperfections. Also occurs prismatic, acicular, bladed, and as dense bundles of fragile acicular crystals.
Cleavage	perfect
Fracture	Uneven
Hardness	2
Sp. Gravity	2.3 - 2.4
Transparency	Transparent to opaque

Calcite:

Color	Colorless, white, yellow, brown, orange, pink, red, purple, blue, green, gray, black. May also be multicolored or banded
Streak	White
Luster	Vitreous
Crystal form	Occurs in a great variety of shapes, with the most common forms as rhombohedral and scalenohedral crystals. Crystals may be tabular, acicular, prismatic, flaky, and needle-like
Cleavage	perfect
Fracture	Conchoidal. Rarely observed due to the perfect cleavage.
Hardness	3
Sp. Gravity	2.7

Fluorite:

Color	Fluorite occurs in all colors, including colorless, white, purple, blue, red, pink, orange, yellow, brown, green, gray, and black. May also be multicolored and banded.
Streak	White
Luster	Vitreous
Crystal form	Most commonly octahedrals and cubic; seldom in dodecahedral crystals. Crystals may also be a combination of octahedra and cubes, and dodecahedral growths may also be present
Cleavage	Perfect octahedral
Fracture	Conchoidal
Hardness	4
Sp. Gravity	3.0 - 3.3
Transparency	Transparent to translucent

Appatite:

Color	Colorless, white, yellow, brown, gray, red, pink, purple, blue, green. Some specimens are multicolored
Streak	White
Luster	Vitreous
Crystal form	As well-shaped hexagonal crystals, which may be elongated or stubby. Also as flat, tabular plates, columnar, , acicular, grainy, botryoidal, and earthy.
Cleavage	Indiscernible, poor
Fracture	Conchoidal
Hardness	5
Sp. Gravity	3.1 - 3.2
Transparency	Transparent to translucent

Feldspar:

Color	White, yellow, colorless, pink, orange, light blue, light green, brown, gray
Streak	White
Luster	Vitreous to pearly
Crystal form	Occurs in well-shaped prismatic and tabular crystals
Cleavage	perfect
Fracture	<u>Conchoidal</u> to <u>uneven</u>
Hardness	6
Sp. Gravity	2.6
Transparency	Transparent to opaque

Quartz:

Color	Colorless, white, purple, pink, brown, and black. Also gray, green, orange, yellow, blue, and red. Sometimes multicolored or banded .
Streak	White
Luster	Vitreous. Transparent, colorless Quartz crystals from a few distinct localities may be adamantine
Crystal form	Crystals, which are hexagonal in shape, vary in shape and size
Cleavage	Indiscernible. Seldom exhibits parting.
Fracture	Conchoidal
Hardness	7
Sp. Gravity	2.6 - 2.7
Transparency	Transparent to opaque

Topaz:

Color	Colorless, white, yellow, orange, brown, pink, light purple, gray, light blue, greenish blue, green. Occasionally multicolored.
Streak	Colorless
Luster	Vitreous
Crystal form	Prismatic, tabular, and stubby crystals, usually striated and sometimes quite large.
Cleavage	perfect
Fracture	Subconchoidal
Hardness	8
Sp. Gravity	3.4 - 3.6
Transparency	Transparent to opaque

Corundum:

Color	Many colors, including blue, red, violet, pink, green, yellow, orange, gray, white, colorless, and black. Occasionally also multicolored or banded
Streak	White
Luster	Vitreous to adamantine
Crystal form	Crystals occur as hexagonally shaped prismatic and tabular crystals, as well as bipyramidal hexagons that are wider in the center and taper thinly on the ends
Cleavage	None
Fracture	Uneven
Hardness	9
Sp. Gravity	3.9 - 4.1
Transparency	Transparent to opaque

Diamond:

Color	Colorless, white, yellow, and brown, gray, and black. Colorless Diamonds are usually lightly tinged with yellow, orange or brown. Rarely blue, green, red, orange, pink, or purple
Streak	White
Luster	Adamantine. Rough stones have a greasy luster.
Crystal form	Most often octahedral, frequently with many crystal faces. Dodecahedral and hexocatehedral crystals, although less common, also occur. Cubic crystals are rare. Crystals may often contain complex growth
Cleavage	Perfect octahedral
Fracture	Conchoidal
Hardness	10
Sp. Gravity	3.1 - 3.53
Transparency	Transparent to Opaque