

Properties of Different Materials

Most or least useful?	Property	Acrylic	Diamond	Fluorite	Glass
	Color	any color	many different colors (colorless, yellow, brown, gray, blue, pink, black, green, purple)	many different colors (purple, blue, green, yellow, colorless, brown, pink, black, orange)	any color
	Transparency	transparent	transparent	transparent	transparent
	Luster (shininess)	glassy (shiny)	brilliant (very shiny)	glassy (shiny)	glassy (shiny)
	Crystal shape	many shapes	octahedron	octahedron, cube	many shapes
	Size	many sizes	many sizes	many sizes	many sizes
	Hardness compared to copper	softer	harder	harder	harder
	Hardness compared to glass	softer	harder	softer	same (glass can scratch glass)