



# PMC CONNECTION

## CHARACTERISTICS OF SOME COMMON GEMSTONES

SPECIES	HARDNESS (MOHS)	SPECIFIC GRAVITY	REFRACTIVE INDEX	DISPERSION	DURABILITY
Diamond	10	3.52	2.42	high	high
Corundum	9				
Ruby	9	4.00	1.77	low	high
Sapphire	9	4.00	1.77	low	high
Chrysoberyl	8.5	3.71	1.75	low	high
Alexandrite	8	3.68-3.78	1.75	low	high
Cat's Eye	8	3.68-3.79	1.54-1.75		high
Spinel	8	3.60	1.72	low	high
Topaz	8	3.54	1.63	low	medium
Beryl	7.75	2.70	1.58	low	high
Emerald	7.75	2.66-2.78	1.56	low	high
Aquamarine	7.75	2.68-2.7	1.57-1.575	low	high
Garnet	7.5	3.7-4.16	1.74-1.89	med-high	high
Zircon	7	4.02	1.81	high	high
Tourmaline	7	3.06	1.63	low	high
Quartz	7	2.65	1.55	low	high
Chalcedony	7	2.65	1.55	low	high
Spodumene	7	3.18	1.66	low	low
Kunzite	7	3.13-3.31	1.66-1.68	medium	low
Jade					
Jadite	7	3.33	1.66	none	high
Nephrite	6.5	2.96	1.62	none	high
Peridot	6.5	3.34	1.68	low	medium
Opal	6	1.97-2.2	1.45	none	low
Feldspar					
Moonstone	6	2.5-2.55	1.52-1.54		high
Labradorite	6	2.7-2.72	1.52		medium
Spectrolite	6	2.7-2.72	1.52		medium
Obsidian	6	2.33-2.6	1.48-1.51		medium
Olivine	6	3.3-3.5	1.65		high
Epidote	6	3.25-3.49	1.73-1.76		high
Hematite	5.5-6.5	4.95-5.3	2.94-3.22		high
Apatite	5	3.16-3.22	1.64-1.65		medium
Lapis Lazuli	5	2.76-2.94	1.5		medium
Sphene	5	3.45-3.56	1.95-2.05		medium
Sodalite	5	2.13-2.29	1.483		medium
Rodonite	5	3.53	1.73-1.74		medium
Turquoise	5	2.6-2.8	1.61-1.65		medium
Jet	3.5	1.1-1.4	1.64-1.68		low
Azurite	3.5	3.8	1.48-1.65		low
Serpentine	3.5	2.5-2.7	1.57		low
Marble	3	2.71	1.48-1.65		low
Malachite	3-4	3.7-4	1.87-1.98		low
Amber	2.5	1.03-1.1	1.54		low
Steatite	1-1.5	2.7-2.8			low
Alabaster	1-1.5	2.2-2.4	1.52		low
Gypsum	1-1.5	2.3			low