Pragyan Shrestha

Rocks

Properties	Texture	Structure	Mineralic Composition	Physical Properties		
				colour	Hardness	s.g.
Sandstone	clastic	uniform grain size,	feldspar and quartz	grey/ yellow	variable	medium
Amphiobolite (meta.)	Crystalline	foliated or sistose	Ca, Mg (No quartz)	white	5 to 6	2.5
Granite (felsic intrusive ign)	Crystalline	Random orientation	Feldspar & Quarzite	white	6 – 6.5	High
Limestone (sed)	Crystalline	Bedding plane	$CaCO_3$	White (fresh)	Low = 2.5	Medium
Marble(param.)	Crystalline	Preferred orientation of minerals	Calcite	white	3	Medium
Quarzite(parametamorphic)	Crystalline	Foliation plane, preff.	quartz calcite	dirty white	7	Medium
Schist	Crystalline	Preferred O. Sistoity cleavage (wavy)	muscobite, biotite	grenish grey	Medium = 5	low
Dolomite (sed)	Earthy	massive	feldspar and quartz	brown	5	3
Slate	Non	slaty cleavage	felspar, chloride, quartz	grey	6.5	low
Phyllite	Non-cryst.	Foliation p., slaty cleavage	chloride, muscobite, fluoride	grey	6 to 6.5	low

Rocks

Properties	Engineering Properties			uses
	Strength	Durability	Blast-ability	
Sandstone	high	high	high	construction Decoration
Amphiobolite (meta.)	medium	low	medium	building stone Decorative Flooring
Granite (felsic intrusive ign)	high	high	high	constr. Aggregate
Limestone (sed)	medium to high	high	high	manuf of cement Paint Slab for flooring
Marble(param.)	Medium	High	High	construction material Manuf. Of cement
Quarzite(parametamorphic)	high	low	high	construction purpose Railing, base, sub-base
Schist	low	high	low	decorative Roofing
Dolomite (sed)	medium	high	medium	
Slate	low	high	low	Decorative Roofing
Phyllite	low	high	low	Roofing poor binding so not used in aggregate