Overview: This standard specifies requirements for polished granite blocks, slabs and tiles used as building stones. It covers dimensional tolerances, physical properties such as water absorption, strength and abrasion resistance, finish, and methods for sampling and testing.

Table 1 | Physical Properties of Granite

Clause 5.1 | Values and units reproduced from the supplied standard.

Characteristic	Pink granite	Multi-coloured and grey granites	Test method (IS)
Moisture content (percent)	0.15 max	0.15 max	IS 13030:1991
Dry density (m/v)	2.58 to 2.63	2.60 to 2.68	IS 13030:1991
Specific gravity (min)	2.75	2.75	IS 1124:1974
Water absorption	0.50 max	0.50 max	IS 1124:1974
Porosity (percent)	1.02 to 2.50	1 to 2	IS 1124:1974
Compressive strength (kg/cm²)	1,000 to 1,500	1,300 to 2,200	IS 1121 (Part 1):1974
Tensile strength (min)	90 kg/cm²	90 kg/cm²	IS 1121 (Part 3):1974
Shear strength (kg/cm²)	280 to 425	300 to 540	IS 1121 (Part 4):1974
Hardness (Mohs)	6 to 7	6 to 7	IS 13630 (Part 13):1993
Hardness (Schmidt) No.	80 to 100	85 to 110	IS 12608:1989
Hardness (Shore) No.	50 to 60	46 to 61	IS 12608:1989
Ultrasonic pulse velocity	5,000 min	5,000 min	IS 13311 (Part 1):1992
Resistance to wear	Not greater than 2 mm average and 2.5 mm for any individual specimen	Not greater than 2 mm average and 2.5 mm for any individual specimen	IS 1706:1972

Table 2 | Sample Size and Criteria for Conformity

Clauses 8.2 and 8.3

Slabs in lot	Slabs selected in sample	Permissible number of defectives	Sub-sample size
Up to 100	5	0	3
101 to 300	8	0	3
301 to 500	12	0	6
501 to 1,000	20	1	6

Source note: the supplied table does not state units for water absorption or ultrasonic pulse velocity. Confirm units and the applicable edition and amendments from the official standard before use.