| Number | DEFINITION | Material property | Elastic | Drucker-Prager / VM | MCC | Visco-MCC | PZ-PZ state | Visco-PZ | Eigenerosion | Eigensoftening | Unsaturated | Eigendegrad. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | YOUNG | YOUNG | X | X | | | | | | | | X |
| 2 | POISSON | POISSON | X | X | | | | | | | | X |
| 3 | DENSITY | DENSITY | X | X | X | X | X | X | | | | X |
| 4 | SHEAR_MODULUS - GHAR | SHEAR MODULUS | X | X | X | X | X | X | | | | X |
| 5 | LAME_CONSTANT | LAME CONSTANT (LAMBDA) | X | X | | | | | | | | X |
| 6 | WAVE_SPEED | WAVE SPEED (C ) | X | X | | | | | | | | X |
| 7 | YIELD STRESS - COHESION - PRECONSOLIDATION | YIELD STRESS - COHESION - PRECONSOLIDATION | | X | X | X | | X | | | | X |
| 8 | HARDENING | HARDENING (H) | | X | | | | | | | | X |
| 9 | HARDENIND_EXPONENT | HARDENIND EXPONENT (N) | | X | | | | | | | | X |
| 10 | EPSILON0 | EPSILON0 | | X | | | | | | | | X |
| 11 | FRICTION_ANGLE | FRICTION ANGLE | | X | X | X | X | X | | | | X |
| 12 | DILATANCY_ANGLE | DILATANCY ANGLE | | X | | | X | X | | | | X |
| 13 | VISCOSITY - GAMMA0 | VISCOSITY | | X | | | | X | | | | X |
| 14 | VISCOSITY_EXPONENT - N | VISCOSITY EXPONENT | | X | | | | X | | | | X |
| 15 | PERMEABILITY | PERMEABILITY | X | X | X | X | X | X | | | | X |
| 16 | POROSITY | POROSITY | X | X | X | X | X | X | | | | X |
| 17 | CONSTRAINED_MODULUS | CONSTRAINED MODULUS (M) | X | X | X | X | | | | | | X |
| 18 | WATER_BULK_MODULUS | WATER BULK MODULUS (MIXTURE Q) | X | X | X | X | X | X | | | | X |
| 19 | CRITICAL_STATE_LINE - MF | CRITICAL STATE LINE (M) | | | X | X | X | X | | | | |
| 20 | ALPHA_PARAMETER | ALPHA | | | X | X | | | | | | |
| 21 | LAMBDA | LAMBDA* (lambda/1+e0) | | | X | X | X | X | | | | |
| 22 | KAPPA | KAPPA* (kappa/1+e0) | | | X | X | X | X | | | | |
| 23 | INITIAL_VOLUMETRIC_STRAIN | INITIAL VOLUMETRIC STRAIN (Ev0) | | | X | X | X | X | | | | |
| 24 | OCR | OCR | | | X | X | X | X | | | | |
| 25 | P0 - INITIAL_PRESSURE | P0 | | | X | X | X | X | | | | |
| 26 | INITIAL_DEVIATORIC_STRAIN | INITIAL DEVIATORIC STRAIN (Es0) | | | X | X | X | X | | | | |
| 27 | KS | BULK MODULUS SOLID GRAINS - KS | X | X | X | X | X | X | | | | X |
| 28 | KW | BULK MODULUS WATER - KW | X | X | X | X | X | X | | | | X |
| 29 | BULK_MODULUS - KHAR | ELASTIC BULK MODULUS | X | X | X | X | X | X | | | | X |
| 30 | CREEP_INDEX | CREEP_INDEX | | | | X | | | | | | |
| 31 | REFERENCE_TIME | REFERENCE VISCO TIME | | | | X | | | | | | |
| 32 | MG | Mg (PZ) | | | | | X | X | | | | |
| 33 | ALPHA_F | ALPHA_F | | | | | X | X | | | | |
| 34 | ALPHA_G | ALPHA_G | | | | | X | X | | | | |
| 35 | BETA0 | BETA0 | | | | | X | X | | | | |
| 36 | BETA1 / BETA3 | BETA1 or BETA3 | | | | | X | X | | | | |
| 37 | H0 | H0 or H0' | | | | | X | X | | | | |
| 38 | GAMMA_HDM | GAMMA_HDM | | | | | X | X | | | | |
| 39 | HU0 | HU0 | | | | | X | X | | | | |
| 40 | GAMMA_U | GAMMA_U | | | | | X | X | | | | |
| 41 | GAMMA_VOL | GAMMA_VOL | | | | | X | X | | | | |
| 42 | WATER_DENSITY | WATER_DENSITY | X | X | X | X | X | X | | | | X |
| 43 | CEPS | C EPSILON | | | | | | | X | X | | X |
| 44 | GC | Gc | | | | | | | X | | | |
| 45 | WC | Wc | | | | | | | | X | | |
| 46 | FT | Ft | | | | | | | | X | | |
| 47 | WC_P | WC middle point | | | | | | | | X | | |
| 48 | FT_P | FT middle point | | | | | | | | X | | |
| 49 | D | Aggregates Size | | | | | | | | X | | |
| 50 | LAMBDA0 - XI_VG | LAMBDA0 RW - XI (VG) | | | | | | | | | X | |
| 51 | LAMBDA1 | LAMBDA1 RW | | | | | | | | | X | |
| 52 | BETA_RW | BETA_RW | | | | | | | | | X | |
| 53 | ALPHA_RW | ALPHA_RW | | | | | | | | | X | |
| 54 | LAMBDAD - ALPHA_VG | LAMBDAD SW - ALPHA (VG) | | | | | | | | | X | |
| 55 | XRD - P0_VG | XRD SW - P0 (VG) | | | | | | | | | X | |
| 56 | YR - SWR | YR SW - SWR (VG) | | | | | | | | | X | |
| 57 | XRW | XRW SW | | | | | | | | | X | |
| 58 | BETAD - M_VG | BETAD SW - M (VG) | | | | | | | | | X | |
| 59 | BETAW | BETAW SW | | | | | | | | | X | |
| 60 | BETA1_SW - N_VG | BETA1_SW - N (VG) | | | | | | | | | X | |
| 61 | RETENTION_CURVE | RETENTION CURVE EMPLOYED (PEDROSO - VG) | | | | | | | | | | |
| 62 | TAU95 | TAU95 | | | | | | | | | | X |
| 63 | DELTA95 | DELTA95 | | | | | | | | | | X |
| 64 | XI95 | XI95 | | | | | | | | | | X |
| 65 | H1 | H1 | | | | | X | | | | | |
| 66 | H2 | H2 | | | | | X | | | | | |
| 67 | M0 | M0 | | | | | X | | | | | |
| 68 | M1 | M1 | | | | | X | | | | | |
| 69 | D0 | D0 | | | | | X | | | | | |
| 70 | HV0 | HV0 | | | | | X | | | | | |
| 71 | BETA_V | BETA_V | | | | | X | | | | | |
| 72 | PATM | PATM | | | | | X | | | | | |
| 73 | RDEN | RDEN | | | | | X | | | | | |
| 74 | KDEN | KAPPA | | | | | X | | | | | |