Material   Sim NDT   GUI

ρ	rho	[Rho]

Input med

λ lambda   0: rho

ν mu   1: lambda

label : string   2: mu

damping : bool   3: label

H_1 / η_V : etav   4: damping ?

H_β / η_s : etas   5: etav | $1 e^{-70}$
                6: etas | $1 e^{-30}$
            $\quad$ def.

V_L : $\cancel{vel}$ v llong

V_T : $\cancel{vel}$ vel trans

VL		Eta-s
VT		Eta-V
		Damping

MatLab (rho, VL, VT)

$lambda = rho \cdot (VL^2 - 2 VT^2)$

$mu = rho \, VT^2$ C12 = lambda
                C44 = mu
$C11 = lambda + 2 mu$ | C22 = C11

Material:

name, rho, C11, C12, C22, C44,
label, damping=bool, eta_v, eta-s

Material Libms:

name, rho, lambda, mu, VL, VT

(name, rho, VL, VT)