non-cubic crystal. This implies the success of the uniform-stress-model (Reuss scheme) for the description of the isotropic properties of anisotropic crystals. If, however, the crystal has a large elastic anisotropy such that the anisotropy causes a heterogeneous stress distribution, the use of Eqs. (9) and (10) as the two parameters in the Murnaghan equation is recommended for aggregate materials made of such an anisotropic crystal.