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## Hardness - Wikipedia

In continuum mechanics, stress is a physical quantity that expresses the internal forces that neighbouring particles of a continuous material exert on each other, while strain is the measure of the deformation of the material which is not a physical quantity . For example, when a solid vertical bar is supporting an overhead weight, each particle in the bar pushes on the particles immediately ...

### Stress (mechanics) - Wikipedia

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#### Journal of Materials Research and Technology

where n is the number of the ears in the drawn cup. This notation is capable of describing earing even if a local asymmetry occurs and takes ears of different orientations into account. Global texture information on the initial sheets was obtained using X-ray diffraction (Panalytical, 40. kV and 40 mA).. The microstructure and the texture of the rolled sheets and the deep-drawn cups were ...

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s metallurgists, we know the importance of grain size, and as heat treaters, we need to be sure we under-stand how grain size will affect mechani-

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