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## Stress mechanics Wikipedia

January 13th, 2019 - 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 For example when a solid vertical bar is supporting an overhead weight each particle in the bar pushes on the particles immediately below it

## Yield engineering Wikipedia

January 16th, 2019 - The yield point is the point on a stressâ€"strain curve that indicates the limit of elastic behavior and the beginning of plastic behavior Yield strength or yield stress is the material property defined as the stress at which a material begins to deform plastically whereas yield point is the point where nonlinear elastic plastic deformation begins Prior to the yield point the material

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January 15th, 2019 - 3 Table 1 Typical Properties of Teflon FEP Fluoropolymer Resins Teflon FEP Grade Property ASTM Method Unit 100 140 160 4100 continued Electrical Surface Resistivity D257 ohmâ<...sq 1015 10 1510 1015 Volume Resistivity D257 ohmâ<...cm 10 171017 10 1017 Dielectric Strength D149 kV mm V mil

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