



## References

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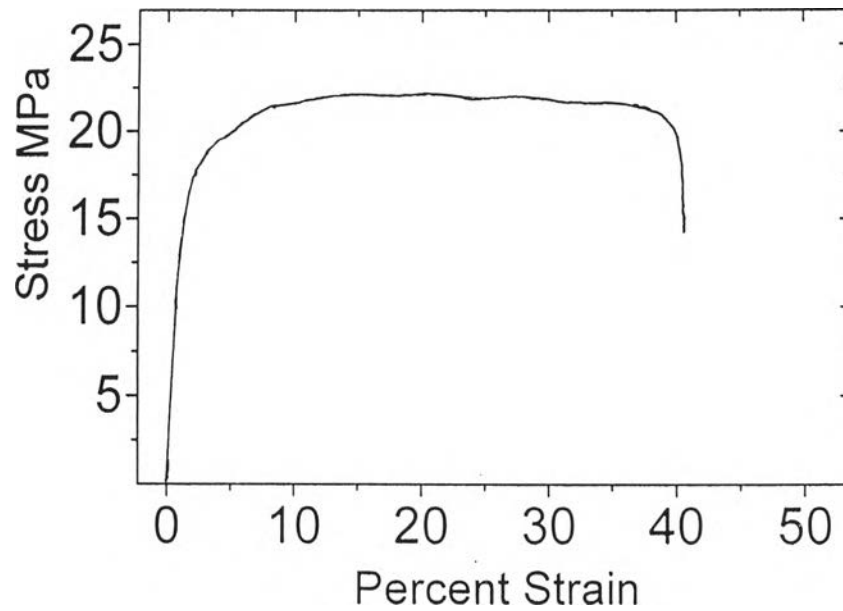
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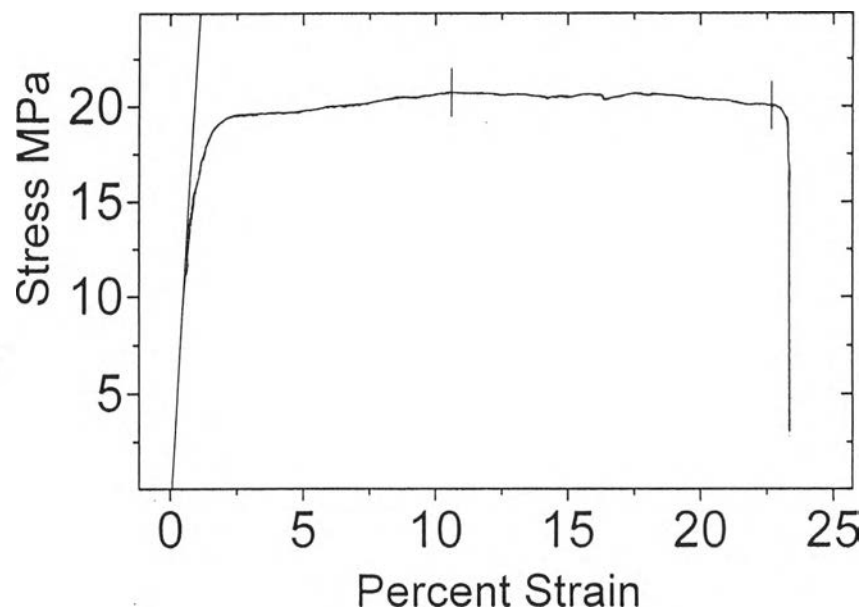
## **Appendix**



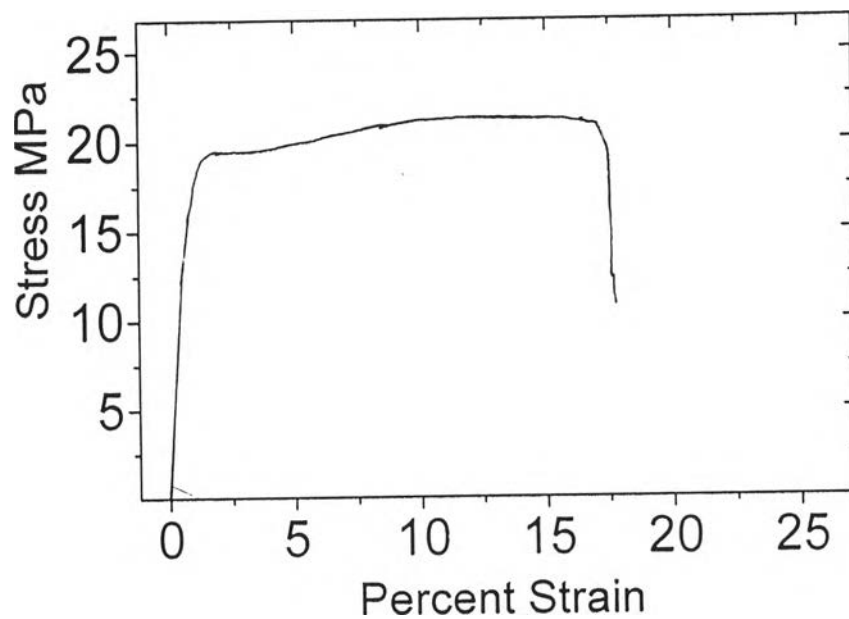
### Appendix



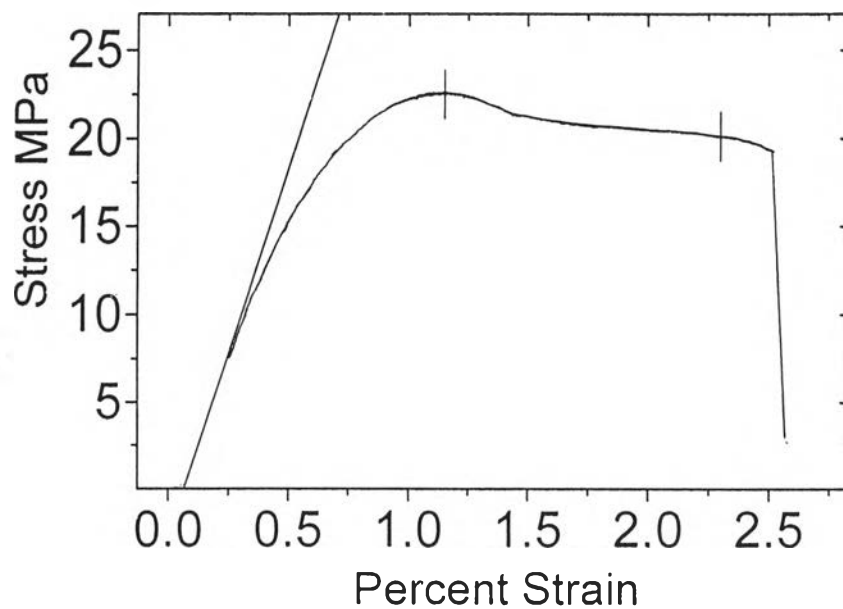
Stress-strain curve of calcined bone ash reinforced polyethylene composite at 0.20 volume fraction at crosshead speed of  $0.5 \text{ mm min}^{-1}$ .



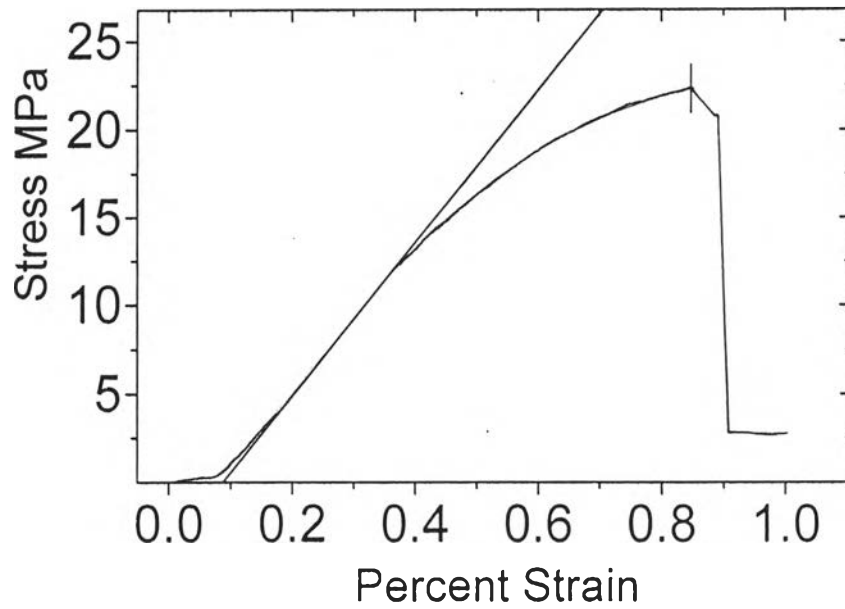
Stress-strain curve of calcined bone ash reinforced polyethylene composite at 0.30 volume fraction at crosshead speed of  $0.5 \text{ mm min}^{-1}$ .



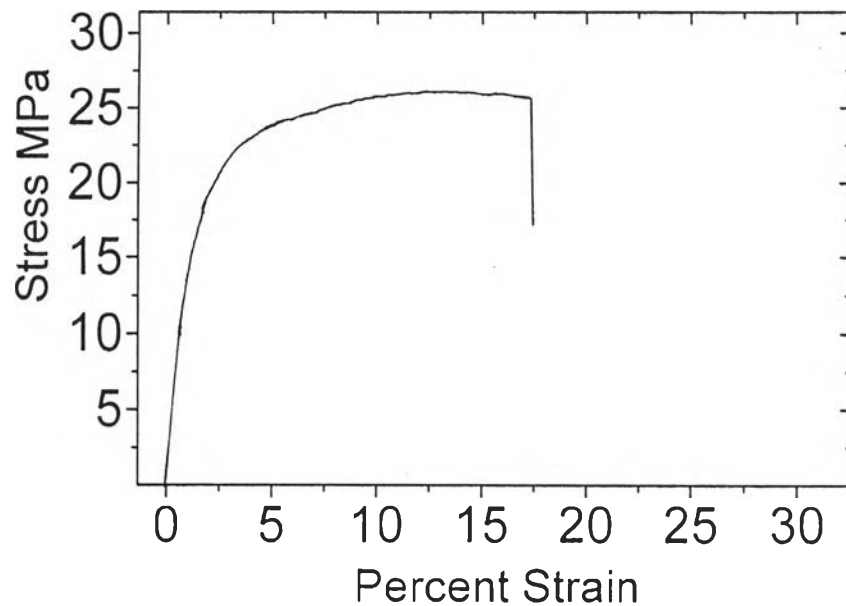
Stress-strain curve of calcined bone ash reinforced polyethylene composite at 0.35 volume fraction at crosshead speed of  $0.5 \text{ mm min}^{-1}$ .



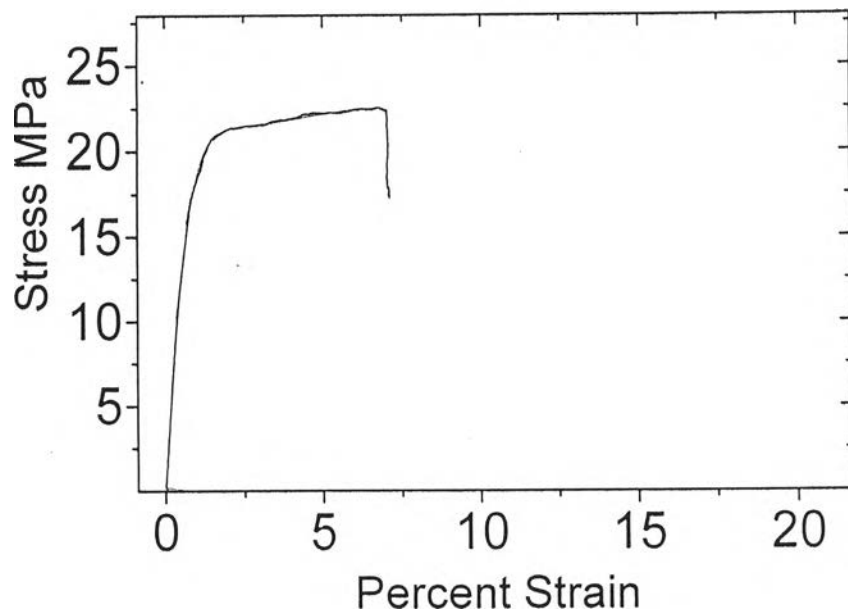
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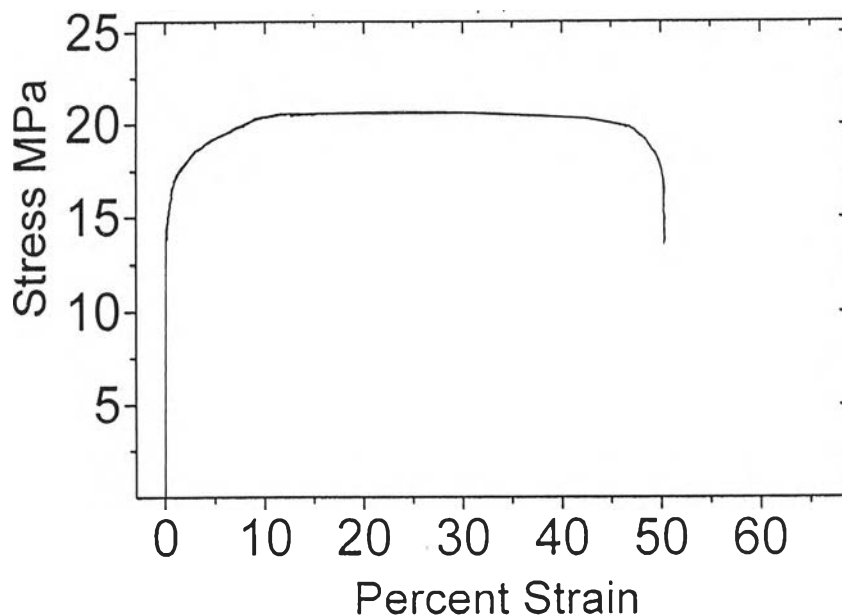
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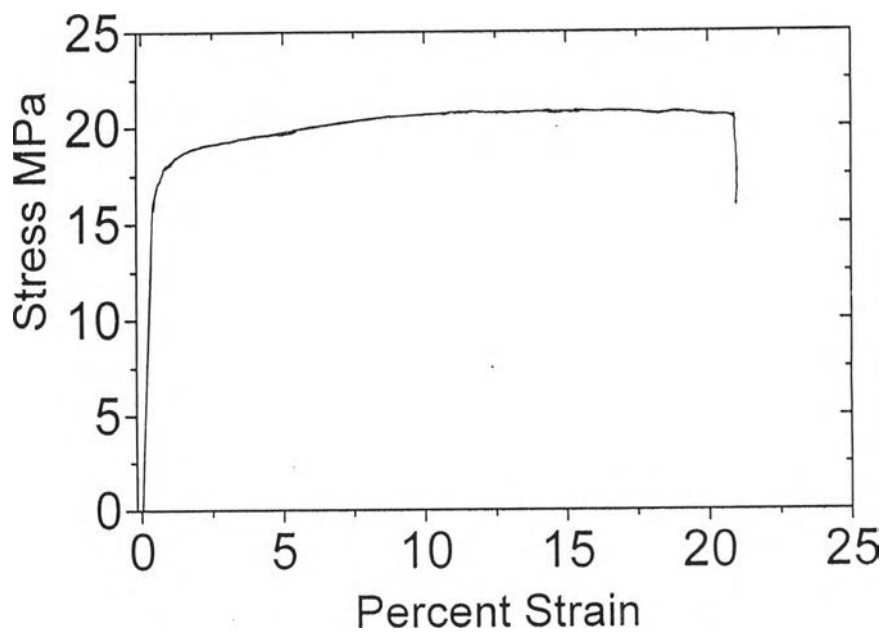
Stress-strain curve of synthetic hydroxyapatite reinforced polyethylene composite at 0.20 volume fraction at crosshead speed of  $0.5 \text{ mm min}^{-1}$ .



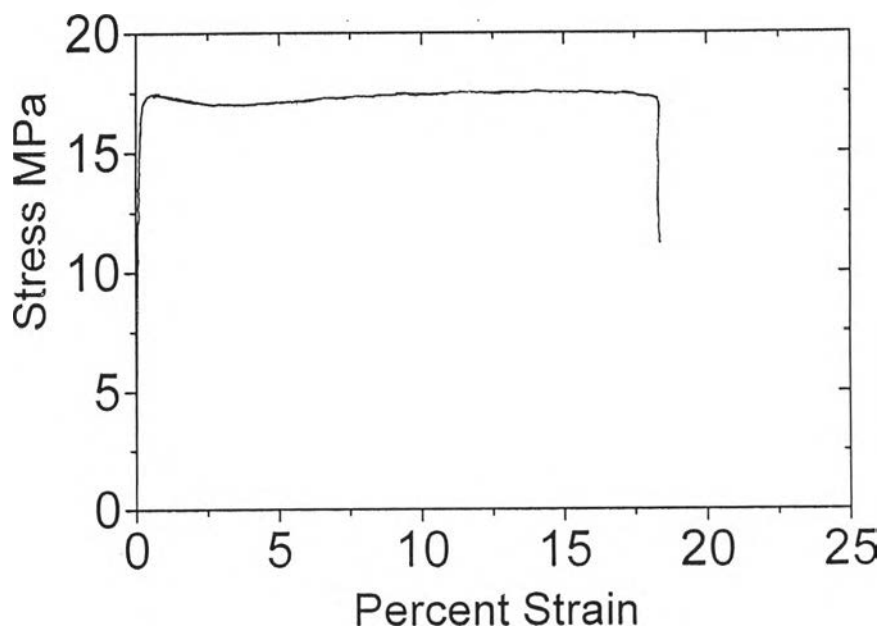
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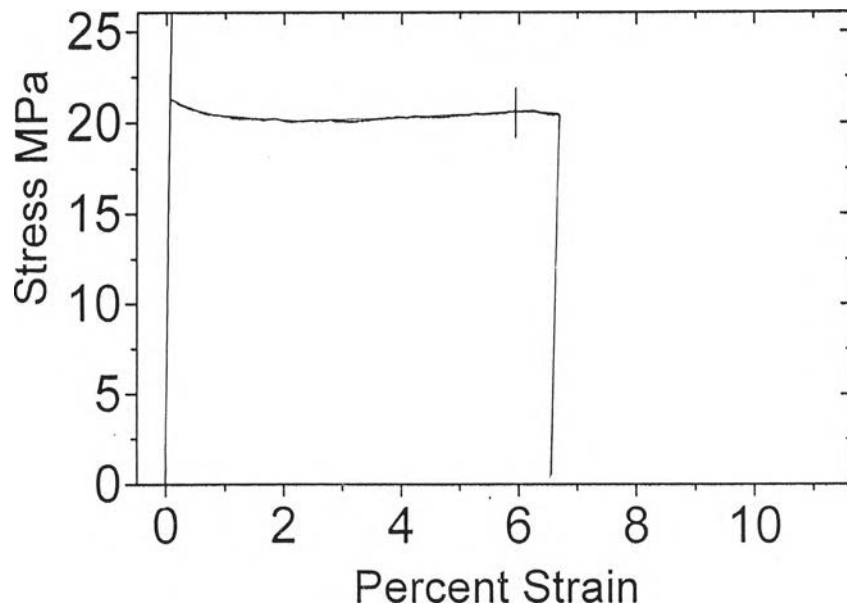
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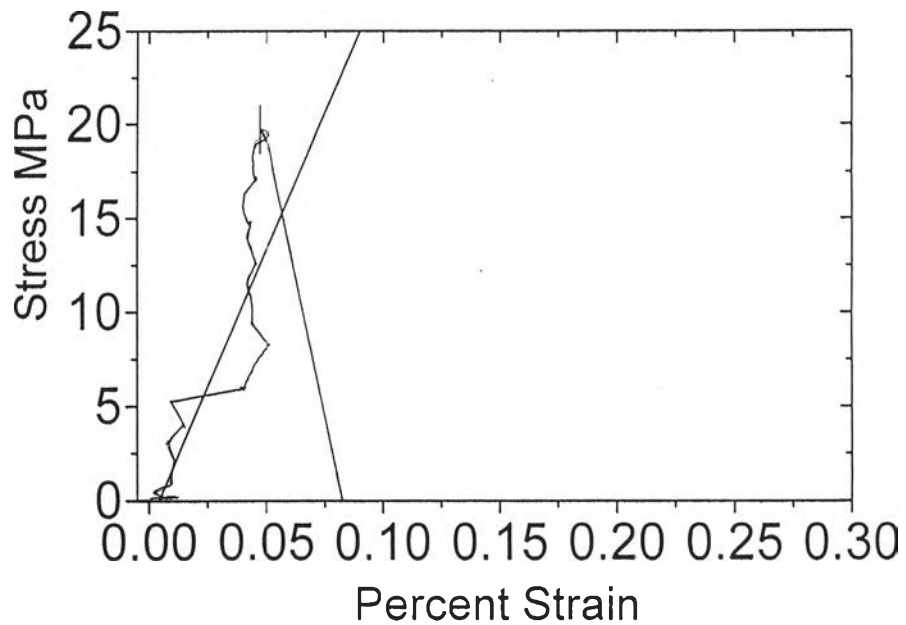
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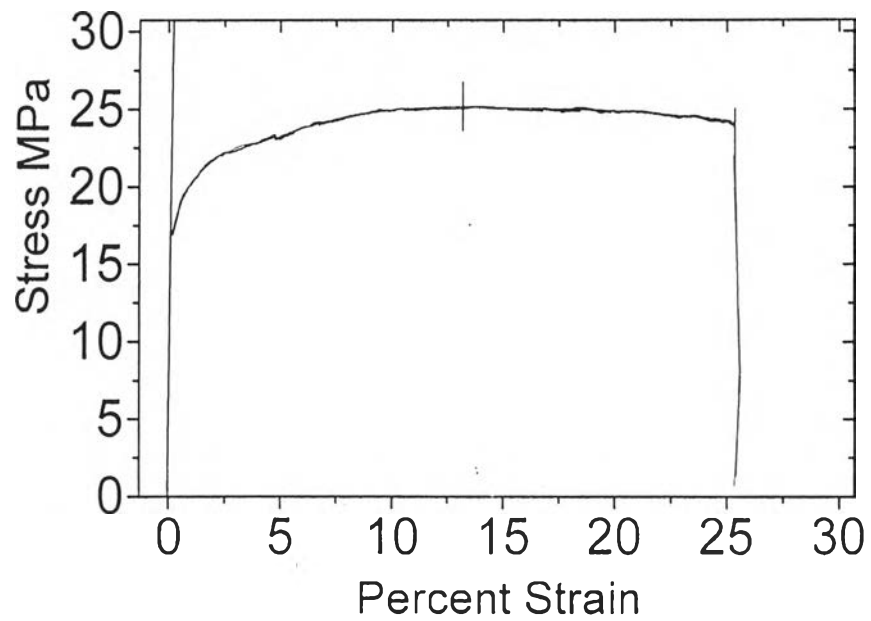
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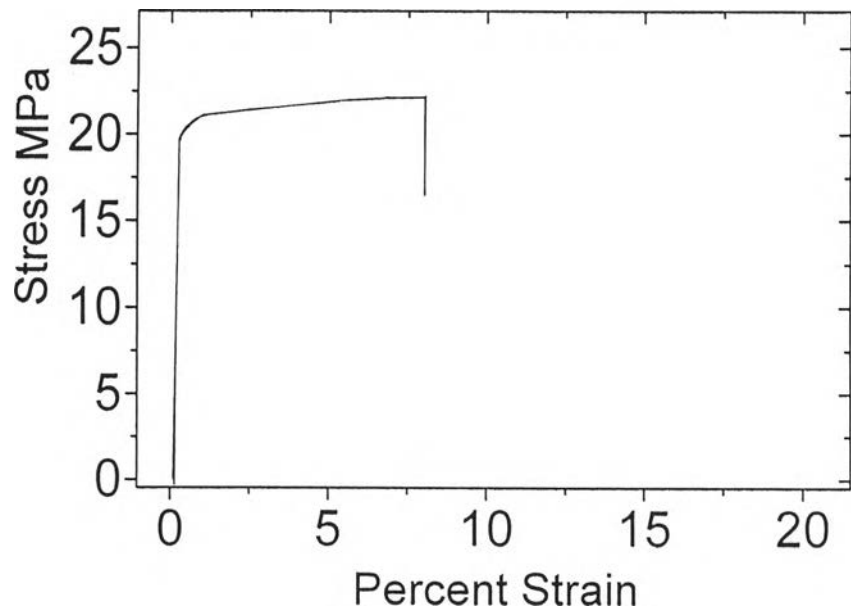
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Stress-strain curve of calcined bone ash reinforced polyethylene composite at 0.50 volume fraction at crosshead speed of  $1.0 \text{ mm min}^{-1}$ .



Stress-strain curve of synthetic hydroxyapatite reinforced polyethylene composite at 0.20 volume fraction at crosshead speed of  $1.0 \text{ mm min}^{-1}$ .



Stress-strain curve of synthetic hydroxyapatite reinforced polyethylene composite at 0.35 volume fraction at crosshead speed of  $1.0 \text{ mm min}^{-1}$ .



### **Vita**

Miss Wimonrat Sricharussin was born in October, 8, 1970 at Bangkok. She received Bachelor Degree of Science in Materials Science (Polymer & Textile) from Faculty of Science, Chulalongkorn University in 1992. She began her master study in November 1992 and completed the programme in March 1995.