

OWEN EVANS

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ACMA4000

MATERIALS AND INTRODUCTION TO PROCESSING

COMPOSITE HAS A MUCH GREATER YIELD STRENGTH TO COPE WITH PRESSURE AT LOWER DEPTHS. IT IS ALSO THE LIGHTEST MATERIAL. THIS WOULD BE THE BEST CHOICE, ALTHOUGH EXPENSIVE.

$$d: t = \frac{2Pd}{\sigma_{\text{yield}}}$$

$$t = \frac{2 \times 70 \times 10^6 \times 0.1}{1850 \times 10^6}$$

$$t = 2.162 \times 10^{-3} \text{ m}$$

for: