

B. It is not hard to pick out the bright orange and yellow ladders atop telephone company maintenance trucks. Other pultruded electrical applications include structural profiles (see Fig. The light weight and low moisture absorption characteristics of FRP have made pultruded utility products more attractive and better performers when compared to the more traditional insulation materials. The high compression strength, especially under heat load, of solid rods has made them the standard for transformer spacer sticks and motor topsticks. Electrical Market: The electrical market is currently the largest user of pultruded composites because it takes the best advantage of the benefits of the process and of fiberglass-reinforced plastics. Solid roving-reinforced rods have high tensile strength and modulus.8).