

## عنوان مقاله:

Designing the Die of Thermoplastic Pultrusion for Tubular ProductProduction

## محل انتشار:

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## خلاصه مقاله:

Nowadays, high proportion of manufactured composite parts allocates to thermoplasticbased composites. One of the growing continuous production processes in the composites, is thermoplastic pultrusion. The use of continuous fiber for its flexural tensile strength and impact bearing and the use of thermoplastic polymer for its correction ability, high toughness, recyclability, reparability and high efficiency are increasing in the industry. In order to obtain an acceptable and safe product, designing an appropriate die for productive products, play a significant role. In this study, for tubular product production, designing the die of the thermoplastic pultrusion and effective parameters on the designing process are investigated. In the tubular product production, the glass roving (2400 Tex.) and High Density Polyethylene (HDPE) are used respectively as reinforcement and matrix

## کلمات کلیدی:

Composites; Thermoplastic pultrusion, Thermoplastic die, Glass roving reinforcement, prepreg

## لینک ثابت مقاله در پایگاه سیویلیکا:

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